

Ranking Local Sustainability Performances by Data Normalization

An examination of Finnish local authorities

Master's thesis

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<p>Tiivistelmä – Referat – Abstract</p> <p>Kestävä kehitys on laaja kokonaisuus, joka on käsitteenä yhä epäselvä ja monitulkintainen. Kestävän kehityksen merkitys on Brundtlandin raportista (1987) lähtien lisääntynyt jokapäiväisessä toiminnassamme, jossa YK:n meneillään oleva toimenpideohjelma Agenda 2030 pyrkii edistämään kestävä kehitystä maailmanlaajuisesti.</p> <p>Kestävään kehitykseen sisältyvät ekologinen, sosiaalinen sekä ympäristöllinen kestävyys, ja siihen liittyvät monitasoiset haasteet ilmenevät eri tavalla eri alueilla. Kestävä kehitys on käsitteenä monitulkintainen, sillä kokonaisuutena siihen liittyy monia eri tekijöitä, monella eri tasolla – kestävä kehityksen mittaamisessa on suosittava läpinäkyvyyttä, jotta mittauksia voidaan tulkita oikein, ja siten myös käyttää parhaalla mahdollisella tavalla. Kestävän kehityksen mittaamiseen on lähtökohtaisesti monia eri tapoja, joten menettelytapojen läpinäkyvyyden selkeys korostuu sovelletussa tutkimuksessa.</p> <p>Tämä tutkimus on paikallisen tason kestävä kehityksen mittaamisen sovellutus, jossa tutkimusalueena ovat kaikki Suomen kunnat. Kestävää kehitystä mitataan suoritusperusteisesti aggregoiduilla indeksiarvoilla. Kestävän kehityksen suoritukset on muodostettu jokaiselle kunnalle perustuen 59 indikaattorin tietokantaan ja tiedon normalisointiin. Jokainen indikaattori on yhdistetty sitä teeman mukaisesti vastaavaan Agenda 2030 kestävä kehityksen tavoitteeseen, mahdollistaen kestävä kehityksen kokonaissuorituksen tarkastelun lisäksi myös Agenda 2030 tavoitekohtaisten suoritusten tarkastelun.</p> <p>Tässä indikaattoreihin perustuvassa tutkimuksessa tietoon perustuvia erityispiirteitä tarkastellaan siten, että kestävä kehityksen kokonaissuoritukset on laskettu jokaiselle kunnalle neljä kertaa: ensiksi painottamatta indikaattoreita, toiseksi painottamalla indikaattorilla mitatun väestön osuutta kunnan kokonaisväestöön nähden, kolmanneksi painottamalla indikaattoreiden kuntakattavuutta ja viimeiseksi painottamalla kestävä kehityksen tavoitteiden indikaattorikattavuutta.</p> <p>Tulokset osoittavat, että Kuopio suoriutuu parhaiten kaikista Suomen kunnista jokaisella neljällä eri painotusmenetelmällä. Samoin, jokaisella neljällä kerralla heikoiten suoriutuu Koski Tl. Yleisesti painotusmenetelmät muuttavat jonkin verran kuntien keskinäisiä sijoituksia, esimerkiksi ei-painotettuihin tuloksiin verraten kuntakattavuuden painotus nostaa Ahvenanmaan pieniä kuntia, Jomalan, Lemlandin sekä Lumparlandin, parhaan kymmenen kunnan joukkoon.</p> <p>Tutkimuksen perusteella voidaan sanoa, että toteutettu paikallisen tason kestävä kehityksen mittaamismenetelmä on yksi tapa mitata kestävä kehityksen toteutumista. Menetelmä on riippuvainen indikaattoreista ja tietoon perustuvista ominaispiirteistä, jossa tiedon saatavuuden niukkuus voi vaikeuttaa tulosten käytettävyyttä. Tämä tutkimus tarjoaa kuitenkin esimerkin kuntien kestävä kehityksen mittaamisesta ja keskinäisestä vertailusta, jossa tuloksia on mahdollista käyttää ja jatkojalostaa tiedostaen kaikki sovellutusmenetelmään liittyvät erityispiirteet.</p>			
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<p>Tiivistelmä – Referat – Abstract</p> <p>Sustainable development is a large entity, that as a concept, is still ambiguous and unclear. Since the Brundtland report in 1987, sustainable development has slowly started to increase its significance in day-to-day activities, where the ongoing UN's international Agenda 2030 aims yet to increase the progress towards sustainable development across the globe.</p> <p>Sustainable development includes multidimensional economic, environmental and social aspects, where challenges facing sustainability within its dimensions are different in different regions. The ambiguity related to sustainable development lies in its complexity, where measuring progress demands clear and legible applications to ensure the accurate interpretation and communication of the measures. There are many ways to measure sustainable development, and as it is such an immense subject, the transparent procedure behind any sustainable assessment is underlined.</p> <p>This study is a local-level sustainable development performance analysis, that is conducted of all the Finnish local authorities. Sustainability performances are derived as sustainable development scores and ranking positions for each considered local authority via a dataset of 59 indicators. The indicators are aligned with the Agenda 2030 17 SDGs – the sustainability performance assessment is based on indicator data normalization, where normalized indicator data is aggregated to the appointed SDG, and furthermore as the overall sustainable development scores for each local authority. The sustainable development ranks are then derived from the score values as a data arrangement application.</p> <p>Being a data-based examination, data-related characteristics are invoked in this study by computing the sustainable development performance numbers of all the Finnish local authorities four times: once with the original dataset, and three times by applying weights to the data; considering indicator-specific data coverage by the share of population included, indicator-specific coverage by local authority data availability and lastly SDG-specific coverage by the number of indicators aligned.</p> <p>The results after all the four sustainability performance applications show that Kuopio scores the best of all the Finnish local authorities every time. On the contrary, Koski Tl gets the worst performance, also for all the four performance applications. Otherwise, there are movements in ranking positions and sustainable development scores comparing the weighting applications with the non-weighted outcomes. When reviewing the top 10 and bottom 5 local authorities, municipalities of Åland; Jomala, Lemland and Lumparland, for instance improve their performances significantly when applying the weights to indicator coverage by local authority data availability.</p> <p>What can be deduced from this analysis, is that this sustainability performance assessment application is one way of measuring local sustainable development. The outcome of this data-based analysis is dependent on the indicators in use, and the applied minimum-maximum normalization method used in the aggregation process. This study provides an example of a local-level sustainability performance application, that may be utilized and further continued, acknowledging all the variable components, causal relations and data-related challenges that inevitably are present in such assessments. Such aggregated sustainability indicators' analyses are prone to challenges related to data, where the intent for the given application vary case-by-case and should therefore also be assessed regarding the intended use.</p>			
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Abbreviations

JRC	Joint Research Centre of the European Commission
LA	Local authority; a city or a municipality
OECD	The Organisation for Economic Co-operation and Development
SDG	Sustainable development goal
SDR	Sustainable development rank
SDS	Sustainable development score
UN	United Nations
VLR	Voluntary Local Review

1. Introduction

Sustainable development is a holistic entirety of inclusive societal progression. Sustainable development means achieving and securing stable and durable environmental, economic and social conditions overtime. The concept of sustainable development was defined in the Brundtland report as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs” (UN; Brundtland Commission, 1987).

Sustainable lifestyles are needed to ensure true progress towards sustainable development (Cheng et al., 2019), where promoting the concept of sustainability is an essential way of living and growing, benefiting societies within and across state borders. The peaceful and balanced prosperity of humankind and nature is the profound meaning of sustainable development – achieving such a multilateral state is, to put it mildly, rather complex. Finding ways for multilevel win-win situations is yet another question, however knowledge sharing, research and development and pioneering are the driving factors of sustainable development. Forerunners, being either public or private actors, develop new courses of action, that promote the economy and local vitality. But how can progress be verified? Sustainable development needs to be measured and monitored to gain knowledge on the current state of all the different areas of sustainability, and for comparison purposes.

I conduct a case study of Finnish local authorities (LAs), that is cities and municipalities, by analysing local sustainability performances. I perform a local-level application of sustainable development scores (SDSs) and rankings (SDRs) of public administrations, derived from a dataset of 59 indicators provided beforehand. These sustainability performance numbers are based on minimum-maximum data normalization method: Each LA gets a score value between zero and a hundred for each indicator, zero being the score for the worst performing LA and a hundred being the score of the best performance. The SDGs then get a score based on their appointed indicators’ scores – the 59 indicators are aligned with the United Nation’s (UN) Agenda 2030, 17 Sustainable Development Goals (SDGs), enabling an option for SDG-specific performance assessments, in addition to the aggregated SDSs. The LA-specific SDG scores are formed as the average of the SDG’s indicator score values, also being values between zero and a hundred. Finally, the LA-

specific SDG score values are aggregated, again as an average value of all the LA's SDG scores. Thus, the aggregated sustainability index scores, the SDSs, are also values between zero and a hundred. The ranking application, the LAs' SDRs, is carried out by arranging the aggregated sustainability performances, SDSs, descending from the highest performance downward. The same SDS results in the same SDR, whereas the next SDR is determined as the position of the previous rank summed by the amount of LAs getting the given SDR. Also, the derived SDSs and SDRs are further examined by weighting the dataset by coverage-related differences of 1) population within each indicator, 2) local authorities regarding data availability and 3) indicators regarding the SDG-alignment. The results of the applied weights are compared to the non-weighted score values.

Before calculating score values, the indicators in use are examined regarding data properties, and processed to fit the analysis method: the indicators used for analysis are applied as most-recent-year data. The aggregated SDSs and SDRs, the applied performance index values, are thus based on most-recent information, where these index applications are formed as static numbers – no *change* in sustainability is thus assessed in this paper, however could be assessed by rerunning the analysis after the indicators' data is been updated, as with any sustainability indicator application, knowing the change is a key factor in analysing overtime trends (Garnåsjordet et al., 2012). Also, due to the applied normalization method, an objective is set regarding the desirable trend for each indicator. In order to maintain the ascending score arrangement of zero to a hundred, depending on the set objective, indicators' data are normalized by three alternative formulas: this paper covers three applied data normalization formulas for indicators with a set objective towards 1) maximization, 2) minimization, or 3) a certain value.

My focus is on the compilation of the aggregated sustainability indexes, also known as composite indicators; the applied methodology and its properties. Garnåsjordet et al. (2012) presented a standard process for a sustainability assessment; the selection and definition of sustainable development indicators, the production of the given indicators, their evaluation, and the initialization of indicator targets and policy actions. This study follows the concept of sustainable development defined in the Brundtland report, further refining the framework as the 17 SDGs, where the 59 indicators perform as the basis for the compilation of the sustainability performance indexes, so the process of this sustainability assessment is set within the selection and evaluation of indicators and the initialization of indicator targets. Following the set framework, as the indicator data used

in this analysis are provided beforehand, defining indicators is trivial, yet discussed along indicator selection and evaluation of data properties. Sustainability analyses can be executed several times, where any of the sequential steps could be repeated for monitoring and learning purposes, so the aggregated sustainability indexes could also be integrated into sustainability policy schemes, even though the entire above process would not be covered within this study.

Further assessing the usability of applied indicators via sustainability performance assessments, in order to generate learning processes, 1) indicators should be accessible and comprehensible, 2) they should be used for monitoring policy performance and trends and 3) to support discussion and communication (Pupphachai & Zuidema, 2016). While concentrating on the examination of data-normalization-based aggregated sustainability indexes, I acknowledge the further purposes that data-oriented analyses could be made use of. The data used in analyses are to be reliable and comprehensible – it is necessary to promote transparency throughout, following clear steps in this analysis, to ensure correct intelligibility and potential use in, for instance policy making. Transparent ways of data applications are underlined regarding the correct interpretations of analyses' outcomes.

The structure of this study is of the following; first I will set the basis for the concept of sustainable development and the theory of measuring sustainability via normalized data (Chapter 2). Then I will assess the provided indicators (Chapter 3), following the demonstration of the applied data normalization methodology (Chapter 4). In Chapter 5, I will present the outcomes of all the derived sustainability performance applications. I will discuss the results and some key observations in Chapter 6, and also contemplate the usability of the sustainability performances conducted by comparing the applied method of minimum-maximum normalization to another normalization application, where the performance relation is based on an external objective. Lastly, I will conclude this study in Chapter 7.

2. Theory for Sustainability Performance Assessments

Sustainability assessments are useful in gaining understanding of the current state of societal development. Assessments can be made to support for instance policy making and learning and adaptation practices. They may be conducted theoretically of any given subject and on any level, where some constraints may occur in practice, for instance in data attainability. Also, sustainability as a theme is such a vast entirety, where forming aggregated sustainability indexes to all the LAs of Finland with indicators is a challenge: there lies ambiguity within the concept of sustainable development, which can nevertheless be elucidated via indicators' dataset – the meters in use clarify the idea behind the aggregated indexes up to some extent. However, the indicators may not solely act as an adequate basis for the analysis, as any approach indistinctly applied to all communities can be debatable (Shen et al., 2011).

The recognition of regional attributes regarding data-related analyses is important in understanding the possible causal relations that may occur when comparing sustainability performances: the total area of Finland's 390 908.37 km² of land and water (National Land Survey of Finland, 2019) includes many regional idiosyncrasies, as for instance in the end of year 2018, 32.4 % of the population lived in the six largest cities of Finland (Statistics Finland, 2019), also 78 % of Finland's land cover is forestry land and 10 % waterbodies (the Natural Resources Institute Finland, 2019). Nevertheless, for this study, indicators data examination and data-related characteristics is in the center of focus: sustainability analyses consist of many variables, where careful assessments are needed on every step of the process, beginning from the concept of what is to be measured – how sustainability is addressed; what kind of components are used, and in what ways.

2.1. Forming the basis

The Brundtland report, "Our Common Future", was one of the first international initiatives to call forth a pervasive approach for sustainable development. It guided the concept of the multi-dimension sustainability; human well-being, resource distribution equity within and across nations and the overtime ecological durability (Sneddon et al., 2006) as known today. The theme of sustainable development is a multilevel overlapping combination of many societal aspects, that is defined to describe the desirable

development leading towards prosperous and peaceful communities. The Brundtland report, dating back in the late 1980s, established a supranational call for action, evoking broader understanding of global multidimensional issues. It set sustainable development “as a component of international development thinking and practice” (Sneddon et al., 2006). The placing of sustainable development at the heart of day-to-day business may still be in progress, however starting the discussion and raising awareness of the concept of sustainable development within international forums many years ago has lead us up to this point – again, looking back at the opening of the debate already in 1987, the time span describes how difficult and obsequious international policy making may be.

A little less than 30 years later from “Our Common Future”, in September 2015, the UN’s Agenda 2030 was signed by state leaders: the Agenda 2030 is a “plan of action for people, planet and prosperity” (UN, 2015), where the elements of economic, ecological and social factors are framed as the 17 SDGs and the associated 169 targets (UN, 2019). Let it also be noted that many other international agendas; UN summits, local action plans and other programmes of sustainable development as an entirety, or of its partial elements that are not covered in this paper, have however, taken place during the past 30 years. Additionally, a relevant agenda regarding this paper and the Agenda 2030 is the UN’s Millennium Declaration in 2000, that covered eight themes of sustainable development. These goals included many similar themes as with the Agenda 2030, such as the elimination of poverty, the conservation of the collective environment, the promotion of human rights, good governance (UN, 2000), and more; and even though the Millennium Declaration has been criticised, for instance by how, within the process behind the set objectives, that cover mainly the developing countries, were representation of the poorer states hardly included (Fehling et al., 2013), it did form the basis also for the current, more comprehensive and ambitious Agenda 2030.

So, the Agenda 2030 is further continuing the international work towards a broader concept of sustainable development – the 17 SDGs enact as the framework for the sustainability performances analysis in this study, where Table 1 presents each SDG along the UN’s description of the designated objectives.

Table 1. UN's Agenda 2030 Sustainable Development Goals

no	SDG	SDG objective
1	No poverty	End poverty in all its forms everywhere
2	Zero hunger	End hunger, achieve food security and improved nutrition and promote sustainable agriculture
3	Good health and well-being	Ensure healthy lives and promote well-being for all at all ages
4	Quality education	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
5	Gender equality	Achieve gender equality and empower all women and girls
6	Clean water and sanitation	Ensure availability and sustainable management of water and sanitation for all
7	Affordable and clean energy	Ensure access to affordable, reliable, sustainable and modern energy for all
8	Decent work and economic growth	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
9	Industry, innovation and infrastructure	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
10	Reduced inequalities	Reduce inequality within and among countries
11	Sustainable cities and communities	Make cities and human settlements inclusive, safe, resilient and sustainable
12	Responsible consumption and production	Ensure sustainable consumption and production patterns
13	Climate action	Take urgent action to combat climate change and its impacts ^{*1}
14	Life below water	Conserve and sustainably use the oceans, seas and marine resources for sustainable development
15	Life on land	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
16	Peace, justice and strong institutions	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
17	Partnerships for the goals	Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

The SDGs presented in Table 1 cover economic factors, such as the promotion of inclusive, productive and sustainable economic growth and employment. Nature-related themes and the sustainable utilization of the environment is integrated in many SDGs, like SDGs 6, Clean water and sanitation; SDG 7, Affordable and clean energy; SDG 13, Climate action;

¹ "Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change" (UN, 2015)

SDG 14 and 15, Life below water and on land. Social sustainability elements include, the elimination of poverty, the improvement of gender and societal equality and peace, and the promotion health and well-being factors. The interlinkage of the multidimensional SDGs is present throughout the Agenda 2030 elements: such factors as well-being is no doubt connected with the mentioned social sustainability factors, and in addition, with the other themes of ecological sustainability as well as economic endurance.

The Agenda 2030 SDGs are constructed by UN as universally adaptable, applicable by the wide range of different nations, where each government is accountable for national implementation. (UN, 2015). Where the state of national development varies across the globe, it is up to national governments to realize adequate measures to ensure proper actions for global, regional and local sustainable development. However, the agenda does also address local deeds, as SDG 11, Sustainable cities and communities, is a straightforward call for actions on local levels. Following the definition from “Our Common Future” to the adaptation of Agenda 2030, the term *sustainable cities* comprehends the concept of sustainability and “make cities and human settlements inclusive, safe, resilient and sustainable” (UN, 2015) could even be interpreted to cover sustainability overtime, that is sustainable development, in all its dimensions. Thereby LAs are also involved in the Agenda 2030, at least as an indication to make them sustainable.

The global SDGs provide a convenient framework for a common goal of sustainable development; however, actions, to ensure adequate progress, are needed on all levels. There does not exist any official grounds for LAs not to take a stand for sustainable development, despite the fact that the concept has mainly been managed at international forums – New York was the first LA to announce voluntary implementation of the Agenda 2030 SDGs, publishing a *Voluntary Local Review* (VLR) in 2018. Other LAs across the globe have followed the example of voluntary sustainability reporting within the framework of Agenda 2030, Helsinki being the first LA in Europe to declare this in September 2018.

The VLR is an implementation, where the Agenda 2030 is tailored to fit local-level relevance and needs, where for instance New York’s VLR published in July 2018 covers SDGs 6, 7, 11, 12 and 15. These SDGs were identified as priorities for New York from the entire ensemble (Mayor’s Office for International Affairs, 2018). Though the coverage regarding the SDGs seems somewhat slight, being voluntary, the first VLR of New York, and VLR in general is nevertheless a good example of local pioneering and determination

of LAs to take action. While, the Agenda 2030 does state that national governments should work with authorities on all levels for competent implementation (UN, 2015), the VLR declaration could also be seen carrying out a message to national governments that progress towards sustainable development has not been as promising as hoped-for.

So, the VLR provides an example of how the implementation of international agendas is made possible on a local level; how the common goals may be applied and added at the very core of local strategies and everyday operations, and furthermore how also the current local actions can be identified as a part of international agendas. The difference between declarations and true actions is of course again something to further investigate, as proclamations themselves promote positive visibility and public relations. It is yet to be seen how well VLR is adapted and further implemented as a purposive agenda in current, and new locations in the future.

2.2. Setting the framework for analysis

The multiplicity of sustainable development demands a transparent procedure for sustainability analysis, where one needs to address the frame of reference in which to proceed on the subject. Rosenström (2009) presented three methods for approaching the measurement of sustainable development, the first being the method of defining the concept of sustainable development, and then conducting the measurement based on this definition (Rosenström, 2009). The first method as a single approach may, however, leave room for unintentional or deliberate misinterpretations, due to the complexity of sustainable development, for instance having the assessment utilized in learning or planning purposes. As the contradictions of the concept of sustainable development is still present, the first method might not be desirable as a single approach (Rosenström, 2009).

The second method of approach is to define areas within the field of sustainable development to be measured (Rosenström, 2009). These include, for instance environmental pollution, economic challenges, or social segregation issues – virtually any societal challenge can be seen as a challenge of sustainable development, as long-term sustainability is a balanced state of the many economic, ecological and social elements. The second approach may be more understandable via a so-called bottom-up mindset, as the characteristics of defining an area to be analysed, for example the pollution- or

segregation-related challenges, actualize at local levels. The direct impact of such challenges is local, from which possible shocks may also be reflected indirectly on a broader scale. Without taking a position on which levels work should be made to prevent or mitigate such challenges – preferably on many levels – when computing a sustainability assessment by following the bottom-up mind-set, the second method may provide a feasible approach as the actualization of challenges related to sustainable development are easily identified locally.

In this study, the 17 SDGs enact as the third alternative approach; the approach of setting objectives to measure sustainable development (Rosenström, 2009). For instance, SDG 1 No poverty is an objective of sustainable development that is measured via poverty-related indicators. Nevertheless, considering the three presented approaches, one could say that all of them are present in this sustainability performance study; the definition of sustainable development, the identification of challenges and the objective-approach. The two latter approaches are in a way integrated in the third approach, as the SDGs are appointed to operationalize sustainable development and the many related challenges, explained point-by-point in the UN Agenda 2030 declaration, and also briefly summarised as objectives for the considered 17 SDGs in Table 1. The SDGs being the framework in this analysis could be addressed as a top-down approach, as the Agenda 2030 is set at a supranational level and then tailored to fit local relevance. The set approach benefits mutual work of sustainable development, as the designation of mutual objectives for sustainable development, in this case the SDGs, is one way to operationalize sustainable development (Rosenström, 2009).

A common framework for sustainable development is proficient for all level actors: Holden et al. (2014) preformed a sustainable development analysis with indicators for over 100 countries, following the multidimensional concept of sustainable development established in the Brundtland report. A supranational, non-governmental organization, making the joint initiative for sustainable development, supports the interdependent global framework needed; Holden et al. (2014) state that sustainable development needs actions by national governments, as the dimensions of sustainability have mutual dependencies across borders. Furthermore, to gain real positive initiatives, the level for the greatest potential of effective interventions is with the national governments (Holden et al., 2014). A shared framework for sustainable development supports work towards the shared objectives, by supporting coherent understanding of the given

multidimensional challenges. A global framework is the best alternative to solve global issues, where sustainable development depends on all the countries input and devotion to achieve the well-being of the planet (Holden et al., 2014). A call for action from non-governmental organizations is thus reasonable and even intuitive. However, a common framework is no guarantee for actual actions, and by being such a vast entirety, the concept of sustainable development may always be ambiguous. Also, the dilemma between the need for political advocacy and the desire to take real stands (Lélé, 1991) may still hamper actual actions towards sustainable development.

2.3. Defining the elements within the framework

After having set the approach, the more specific elements of the analysis need to be defined, where I follow the steps of the so-called multi-criterion evaluation for measuring sustainable development introduced by Munda (2005): Firstly, the indicator analysis is to be underpinned within a dimension, that is the general frame to be working in (Munda, 2005), similar to Rosenström's (2009) methodology, where the analysis follows the set approach of measuring sustainable development. The framework of the SDGs, in this case, set the dimension for measuring sustainable development. The aspects of environmental, social and economic challenges are integrated in the given SDGs, the targets within the dimension, as with the multi-criterion procedure of Munda (2005).

Indicators describe certain aspects of the set approach, corresponding within the constraints and attributes of the given data. To gain understanding of the state of sustainable development, the desired outcome for each indicator needs to be defined (Munda, 2005), affixing the desired level with status quo. Depending on the indicator, the objective is usually either a higher or a lower value in contrast to the current state. For instance, the objective for NO₂ pollution in air would reasonably be as little as possible – preferably none. So, in simple terms, by monitoring NO₂ pollution levels, one can see if progress towards the set objective has been made, that is, seeing if the NO₂ pollution levels have been reduced, or not.

Notably, UN has also declared objectives for each SDG, presented in Table 1, to guide the use of SDG-specific indicators, where for instance, the objective of SDG 11 is to “make cities and human settlements inclusive, safe, resilient and sustainable” (UN, 2015). The

desired outcome for indicators of the given SDG are defined to support the main objective, which is in the case of SDG 11, the maximization of inclusivity, safety, resiliency and sustainability of cities and communities. However, some objectives, for instance the objective of SDG 13, Climate action; “take urgent action to combat climate change and its impacts” (UN, 2015) are ambiguous. While the term *urgent* implies instant, that is as-quick-as-possible, the defined objective is still open to interpretation, as urgency of climate actions is also a matter of preference. A typical climate-related indicator is *CO2 emissions per capita*, as also used in this thesis, where the desirable outcome of the given indicator is null, or as-little-as-possible – a lower value is preferred over a higher value of CO2 emissions. This indicator however does not necessarily describe the procedure to understand how urgently climate actions have been taken, as the level of *CO2 emissions per capita* is dependent on factors, such as population change, climate conditions and the state of the economy. To get answers on the progress of this exact objective, one should likewise examine more how *urgent actions* is understood as a term, and then how the mandate is implemented into policies.

Albeit the Agenda 2030 SDGs is the framework of this thesis, following the concept of sustainable development defined in the Brundtland report, the applied methodology in this study is indifferent of policy purposes, as indicator data used in this analysis is submitted beforehand – the conducted analysis does not cover any current policy agendas as such. However, my goal is to provide information on the measurement method, the LA sustainability performance application, that could be further acknowledged in designing sustainability instruments for local assessment processes discussed above. Though having the indicators aligned with the 17 SDGs, I do not cover the UN’s objectives (presented in Table 1), but rather set my own indicator objectives, as also the given indicators are not equivalent with the purposed UN’s indicators. This implementation is also reasoned, as there are controversies regarding the abstruse policy process behind the Agenda 2030 SDGs, which, in general, may teeter the actual objective to advance sustainable development (Costanza et al., 2016). This also refers to the SDGs and the discussion of the ambiguity of the objectives defined by the UN.

Where the set objectives of each indicator determine the outcome, the actual meters are the key for data analysis; Munda (2005) defines variables as a more precise meter of individual indicators, describing the state of the measured matter at a certain time and

place. For NO₂ air pollution a variable would for instance be the amount of NO₂ in micrograms per cubic meter ($\mu\text{g NO}_2/\text{m}^3$). So, technically to gain knowledge on the NO₂ pollution levels, one needs to define the variable, that is the unit of measurement, that needs to be constant for comparing, overtime monitoring and analysing purposes.

Furthermore, regarding the local-level application; measuring local-level sustainable development does not necessarily give information on which level the actual work has been made on. To gain information on that matter, one can design indicators to describe the purpose, for instance by measuring the participation rate of LAs in sustainable development programmes, agendas, or working groups – the actual outcome of any analysis is dependent on the method and instruments used, where this paper focuses on measuring local sustainability via a comparative performance application conducted by indicator data normalization – an indicator, *Cooperation in sustainability*, in this analysis is intended to measure SDG 17, Partnerships for the goals – these types of indicators are typically measured with either-or arrangements; cooperation is either pursued, or not. The problematics of indicator properties considering this study is presented in Chapter 3.

Finally, as the framework; the dimensional aspects, the objectives and the variables are defined, an aggregated index of sustainability performance can be conducted. The aggregation thus consists of all the dimensions, indicators and variables in use (Munda, 2005). So, although having indicators provided beforehand, it is necessary to define all the theoretical elements needed for the assessment of sustainable development for this analysis.

2.4. Choosing the normalization method

A composite indicator renders a certain phenomenon, within the set approach and the included elements. It is a combination of information aiming to describe a multilateral matter (Jeníček, 2013). Data normalization is a simple way to enable the aggregation of indicators as a single index, as normalization is a transformation of information, where data is converted into a more tractable and attainable form. This way non-comparable data can be aggregated and therefore readily made use in analyses related to composite indicators of, for instance sustainability indexes.

There are, however, several methods to apply data normalization; the following nine applications (OECD, 2008) have all different properties in how the given indicator data are managed:

1. Simple ranking arrangement,
 - a. refers to ordered placements within an arranged list of rankings.
2. Standardization,
 - a. where the mean value of indicators data is set as zero, and the standard deviation as one.
3. Minimum-maximum,
 - a. where indicators data are related regarding the minimum and maximum within a range from 0 to 1 (or 100).
4. Distance regarding a reference,
 - a. where indicators data is related to a target value, for instance of a policy objective.
5. Grouped scales,
 - a. where indicators data are grouped related to an objective, where a certain range in values are set for instance as “objective not/partially/fully attained”.
6. Indicators regarding the mean value,
 - a. where indicators data values above/below average are set as the objective of 1, the mean value as 0 and values below/above as -1.
7. Cyclic indicator applications,
 - a. refers to economic activity analyses, for instance composite leading indicators (OECD).
8. Balance of apprehension,
 - a. refers to business surveys, where administrators express the state of their businesses. Cyclic indicator applications can be derived from these kinds of surveys.
9. The relative change between sequential years,
 - a. refers to trend monitoring via percentual growth of the applied indicators.

These nine different methods are presented in the *Handbook on Constructing Composite Indicators: Methodology and User Guide* (2008) prepared by OECD and JRC to guide theoretical insight for common measurement applications.

The applied *minimum-maximum* normalization, listed as third above, interpolates indicator data within a set range between 0 and 100, keeping the relative distance of values constant. The LA-specific performances equal values between 0 and 100 for each indicator, SDG and the aggregated SDS. Notably, this normalization method is affected by data outliers (OECD, 2008) that may obstruct the comprehensibility, as an indicator value may be extremely high or low compared to the rest dataset. On the contrary, minimum-maximum normalization may also be favourable with a small interval dataset, where this method adds the impact of the transformed data in such case (OECD, 2008). This may help the readability of data.

Furthermore, I derive ranks, the SDRs, for each LA regarding the outcome of the minimum-maximum normalization. The ranking application follows the above listed normalization guidelines of the *simple ranking arrangement*, which in this case is applied to the readily normalized SDSs. In general, the relative placements within indicator datasets are not affected by data outliers (OECD, 2008), as this application is a matter of arranging data. Although ranks do not given information of any causal relations or logical implications, the simple ranking methodology allows overtime monitoring of changes in LA placement positions (OECD, 2008).

One could say that the comparison and overtime monitoring are simpler with rankings, rather than the minimum-maximum normalization outcomes, as a position of rank gives clear information of the relative performance regarding the rest LAs. Nonetheless, the SDSs do also give information of the relative performances, but a single performance score value does not contain the same kind of information of how a single performance relates to other LAs' performances – by looking at a timeseries of LA's SDRs, one can quickly see how well the sustainability performance has developed in relation to others. Thus, the SDRs are informative and usable up to some extent, however the SDSs are necessary for addressing the more specific changes of performances and data-related attributes. The SDRs give no reason behind the changes in ranking positions, that again could be identified by the SDSs, and furthermore by assessing the original data before applying any of the normalization methods.

Data normalization by *distance regarding a reference point* – presented as the fourth normalization method in the presented list – allows the data to be aligned with a policy objective, that is set to be attained in a certain timeframe (OECD, 2008). I will discuss this application after the actual analysis in Chapter 6, to present a brief comparison of this application and the minimum-maximum normalization. The outcome of the applied rankings, the SDRs, is however indifferent of the two applied normalization methods, as it does not change the relative placements within indicators. So, the two different normalization methods would not make a difference to the applied ranking system.

3. Provided indicators' assessment

The execution of official data collection and management may vary among countries, where in Finland, the main authority responsible for statistics is Statistics Finland, managing various databases, some complimentary and some chargeable. Furthermore, the National Institute for Health and Welfare produce and manage health and well-being related data; various other authorities produce official data. Transparency of information is an essential factor when data-based analyses are used for instance to support policy making – open data concept endorses the usability of information, however, adequate availability of standardized, open and comparable data is still lacking, as well as robust systems for local-level data collection (Klopp & Petretta, 2017), which restrains the utilization of such analyses on a larger scale.

3.1. Indicators' dataset

The 59 indicators applied in this study are examined by data properties after the collection – as being provided beforehand, but before the actual analysis. These indicators from the basis for the applied sustainability performance indexes, that are before the analysis needed to be made applicable regarding the set framework, the 17 SDGs and the applied normalization method. All the indicators in use are listed in Table 2.

Table 2. Indicators for analysis

SDG	Indicator	Unit	Trend
1	Basic social assistance receivers	%	min
1	Child poverty	%	min
1	Relative poverty	%	min
2	Soil erosion risk	t/ha/year	min
2	Vegetables in children's daily diet	%	max
3	Dependency ratio		min
3	Elderly people living home	%	max
3	EPSI-rating	points	max
3	MMR vaccination	%	max
3	Morbidity index	index value	min
3	Non-urgent physician appointment waiting time	%	min
3	Obesity	%	min
3	Degree of vaccination	%	max
4	Discriminatory bullying of pupils	%	min

4	Loneliness of pupils	%	min
4	Young people outside the education system	%	min
4	Upper secondary school graduates	%	max
5	Gender balance in labour market	%	50
5	Gender balance in local politics	%	50
5	Salary equality between genders	%	100
6	Investments in water management	€/m2	max
6	Level of wastewater treatment	average level	max
7	Residential electricity consumption	kWh/capita	min
7	Wind power capacity	kW/1000 capita	max
8	Jobs by workforce	jobs/workforce	max
8	Loans	euros/capita	min
8	Tax rates	€	min
8	Unemployment	%	min
9	High-speed internet	%	max
9	New businesses	new businesses/1000 capita	max
9	Diversity of workplaces	index value	max
10	Population change	%	max
10	Gini coefficient	gini coefficient	min
10	Life satisfaction of young people	%	max
10	Youth unemployment	%	min
11	Air quality (NO2)	µg NO2/m3	min
11	Air quality (PM10)	µg PM10/m3	min
11	Electric vehicle charging points	points	max
11	Grocery store attainability	%	max
11	Passenger cars	cars/capita	min
11	Public transport viability	%	max
12	Residential energy consumption	MWh/capita	min
12	Sustainability in education	institutions/1000 capita	max
13	Carbon sink potential	%	max
13	Climate change risk and adaptation policy	%	max
13	GHG emissions for residential sector	t CO2-eq/m2	min
13	GHG emissions per capita	t CO2-eq/capita	min
13	GHG reduction target	%	max
14	State of lakes	points	max
14	State of rivers	points	max
15	Forest growth	m3/ha	max
15	Green spaces	%	max
15	Protected habitats	%	max
16	Corruption in local institutions	malfeasances/1000 capita	min
16	Crimes against life and health	crimes/1000 capita	min
16	Criminality	crimes/1000 capita	min
16	Municipal election voter turnout	%	max
16	Parliament election voter turnout	%	max
17	Cooperation in sustainability	level	max

The indicator ensemble presented in Table 2 shows that the provided indicators are not evenly distributed among the 17 SDGs. The eight indicators of the third SDG, Good health and well-being, may reflect the fact that health and well-being related local level data is easily accessible. On the other hand, SDG 17 Partnerships for the goals, has only a single indicator. The importance of data availability regarding different themes is again underlined: the lack of indicators deducts the purpose to describe the areas of sustainable development, which in this case is divided to the SDGs. Also, the given indicators are of many sorts, some being ready index values, like *Morbidity index*, some related to the number of inhabitants, some related otherwise, and some describing unique ecological aspects, such as the indicator *Soil erosion risk*. Some capita-related indicators also describe a certain part of the population, like *Child poverty*, and some are related to 1000 capita – the indicators as such are not comparable, so they need to be further processed to enable the LAs' sustainability performance assessment.

Combining meters that commonly would not be seen related to each other in anyways is not trivial, for instance, the *Gini coefficient*, indicating the distribution of income or wealth within a LA, and *Forest growth*, would seemingly have no common denominator. Using all the different indicators, firstly are needed to be made compatible for the aggregation purposes, and secondly require transparent operations to assure adequate information of the analysis; how the indexes are formed, what data has been used, how are they applied, and so on. Please see Appendix I for the data sources and metadata of the provided indicators. Also, data of indicators *Climate change risk and adaptation policy* and *GHG reduction target* are collected directly from LAs' officials via a questionnaire provided in Appendix I a).

To fulfil their purpose, indicators should generally be assessed regarding what can be measured with the provided dataset. A simple assessment could note the following criteria: regarding the analysis objective, indicators should be important, representative, unique, measurable, cost-effective, as-little-as-possible-nature-impacting in terms of data collection, correct, reliable and comparable, transparent and understandable, accessible at a proper time, and also practically utilized (Jeníček, 2013). Indicators may describe very precise cases, like *Loneliness of pupils*, or bigger pictures, like *Gini coefficient*, and be a sample of information regarding many possibilities of time and place. Where the above criteria are important, the weight of factors such as cost-effectiveness regarding data

collection varies case-by-case. Many indicators are usually needed to present intended objectives – especially in the case of the vast entirety of sustainable development; Agenda 2030 and its 17 SDGs.

Regarding the applied SDG-alignment, in their first VLR-report, New York adapted the Agenda 2030 framework by combining the identified priorities of SDGs 6, 7, 11, 12 and 15 with the ongoing action program OneNYC (Mayor's Office for International Affairs, New York. 13. 2018); the given VLR implementation, a combination of OneNYC-targets, aligned with the appropriate SDG and indicators, was executed due to a lack of an overall SDG data reporting establishment (Mayor's Office for International Affairs, New York. 13. 2018). In contrast to VLR reporting, similarly in this study, the SDG framework is adapted into external indicators that nevertheless are applicable in measuring sustainability.

This technique is also reasoned regarding the guidance in the official declaration of Agenda 2030 (UN, 2015): national governments are meant to apply the agenda in respect of current circumstances and the relevance of the many areas of sustainable development. As to local implementation, the relevance of the set universal objectives is highlighted, as local applications demand tailoring the supranational agenda, its objectives and indicators, to fit local level deeds.

The indicator-SDG alignment is not necessary for the compilation of SDSs in general, but in this case, the set framework of the SDGs is a matter of making this assessment more approachable, understandable and applicable. Regarding the Agenda 2030 designation, even though the UN Statistical Commission directs the continuously progressing technical procedures of UN indicators framework, the UN indicators are a result behind political negotiations of what should be measured, how and by whom (Klopp & Petretta, 2017). Nonetheless, connecting the SDGs with the provided indicators is not self-evident, as blending parts of extrinsic elements into one analysis may always arise questions of doubt.

I also acknowledge, that sustainable development can be measured with many other indicators, that may as well serve the purpose regarding the applied method of aggregated sustainability performances. However, a consistent repetitive sustainability assessment, for instance supporting learning and adaptation practices, demand invariable meters to enable proper benchmarking, comparison and monitoring.

3.2. Data coverage

Analyses based on provided data demands careful consideration of data properties. Knowing precisely the constraints of the data applied is keen on the successful use of the indicators in analysis. Data applications are incontrovertibly effective tools within their own sphere, where data describes specific subjects, understanding data; correct interpretation and communication is underlined. When measuring large entities, it is important to perceive how the applied data describes the object and in what ways does it correspond and relate to the entirety. Also, what – possibly many – other indicators, can affect the measured object and the other indicators in use. The more complex object to be measured, the more possibilities for reciprocal relations.

Data availability is a challenge that may be confronted carrying out indicator analyses. Inadequate access to data, or the actual lack of data collection detains the many use of information-driven policy making and other possibilities for data-oriented decision making. The UN (2015) acknowledges within the Agenda 2030, as data for several objective's proposed meters are not yet available, promotion of capacity building and data collection is needed among Member States. Support is needed to construct any missing global and national baselines (UN, 2015).

Traditionally, data collection has been executed by statistical authorities on national levels, however, the most vulnerable may be unintentionally excluded from household surveys, which again are the type of data collection that forms the basis for national statistics (Klopp & Petretta, 2017). The data used in this study is mainly from national-level data suppliers, even though some local authorities produce additional data of their own that could be easily made use of, the nation-wide organizations provide the best coverage of local authorities for comparable data. Data quality is an important factor to address, for instance regarding the above disadvantages of household surveys.

Having the data provided, I do not take a part in indicator selection, but I acknowledge that working with data demands an understanding of data quality and properties – these factors are taken into account by weighting different data attributes within and among indicators; no indicator is excluded at any point of this analysis.

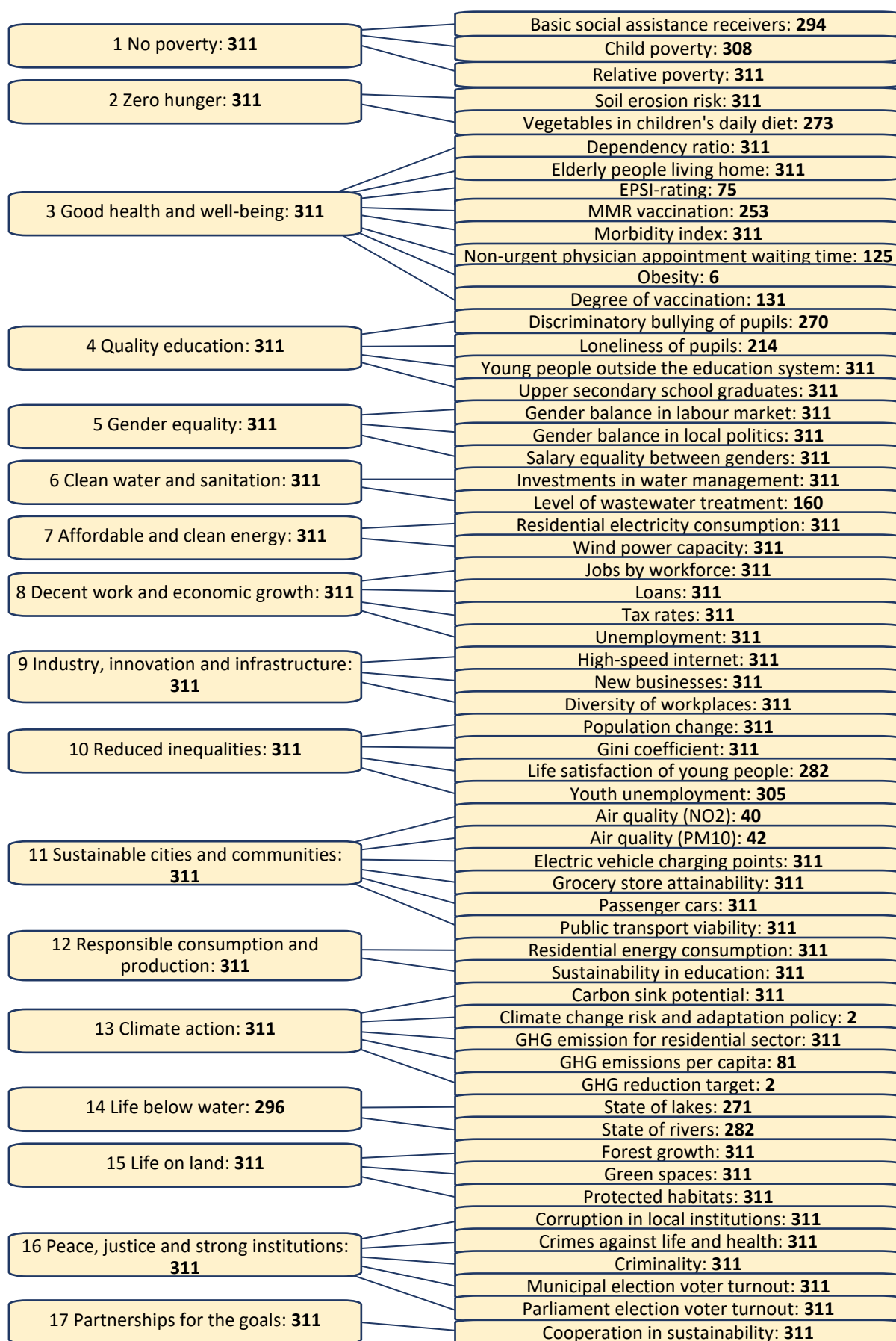


Figure 1. Indicator distribution and coverage by local authority

Figure 1 presents the indicators' SDG-distribution with their coverage of LAs: each indicator is presented along its corresponding data availability per LA, following the explanatory lines between the indicators and their aligned SDGs; Figure 1 describes also the number of LAs available for each SDG. Finland has currently 311 LAs, which is the maximum coverage for each indicator and SDG.

Reasons behind the differences in data coverage presented in Figure 1 vary, where for instance LAs' air quality data is only available, if measuring points are set within the area. Also, not every LA may have lakes or rivers, referring to indicators *State of lakes* and *State of rivers* – some indicators LA-coverage is limited due to differences in land cover, water systems and other regional properties. Different types of themes are covered differently, which relates to the responsibilities of different statistical officials, where local-level data production might not be as necessary as with other themes. Also, legal obligations control data production of, for instance economic indicators – LAs may be obliged to report numbers of certain areas to the government.

Coverage-related attributes are addressed later in this study by weighting indicators and SDGs by the number of LAs included. This weighting application addresses indicators' datasets with minor LA-coverages of, for instance indicators *Obesity*, covering 6 LAs, as well as *Climate change risk and adaptation policy* and *GHG reduction target*, both being the questionnaire-based indicators, and both covering only 2 LAs.

Another way data coverage is considered, is within the aggregation method of the normalized indicator scores, as the aggregation of indicators to their corresponding SDGs is conducted by calculating the average score values, rather than the sum of scores. So, a LA with a higher number of available indicators does not get a higher SDG-score only due to a better availability of data. This average-score-aggregation methodology is the same in this study with all the conducted, both non-weighted and weighted applications of sustainability performances, whereas the LA-coverage weighting is conducted to even further scrutinize the effect of the differences in data coverages on the derived SDSs.

Nevertheless, coverage-related examination is necessary as data is not seemingly available for all the LAs regarding the 59 indicators. Another way to address the disadvantages of data availability would be to only include indicators that have data of all the examined LAs, and in this case, this study would be carried out via 39 indicators – data

availability is however examined by the latter procedures, as one of the objectives of this paper is to gain knowledge on data properties affecting the applied sustainability assessment methodology.

Notably, there lies a distinction between data production and supply, in other words, not all local-level data may be accessible to the public. In addition to the problematics of household surveys noted above, some data of, for instance, school surveys are carried out biennially, where the LA-coverage may change throughout the time series. Data comparability is an important factor to acknowledge within the indicators, for instance collected via surveys, as they may be altered through time, affecting the interpretation of information.

Due to the idea that every indicator is equally important, no indicator is omitted for reasons of deficiency of LA-coverage. Nevertheless, local-level data availability is not self-evident, where finding proper and comparable data of many areas of sustainable development may be challenging. This statement is backed up by Figure 1, where it is clear that working with data needs adequate qualitative assessing to ensure transparent and proper use of the information.

3.3. Most recent year application

Data availability depends on various aspects, as stated above, where for instance data production techniques may vary along different authorities. Notably, regarding local-level applications, data may also be limited due to reasons of confidentiality in a case where the sample of an indicator is small. Local-level data of indicators describing sensitive information may not be openly available, if it is possible to identify individual inhabitants from the given sample.

Most recent-year-data is applied to improve data coverage, that would be otherwise even lower than the coverage numbers presented in Figure 1. The indicators used to derive the applied sustainability performance indexes are based on the most-recent-year application; from the presented 59 indicators' dataset (Table 2), the most recent data of each LA for each indicator is distinguished and applied to the normalization method.

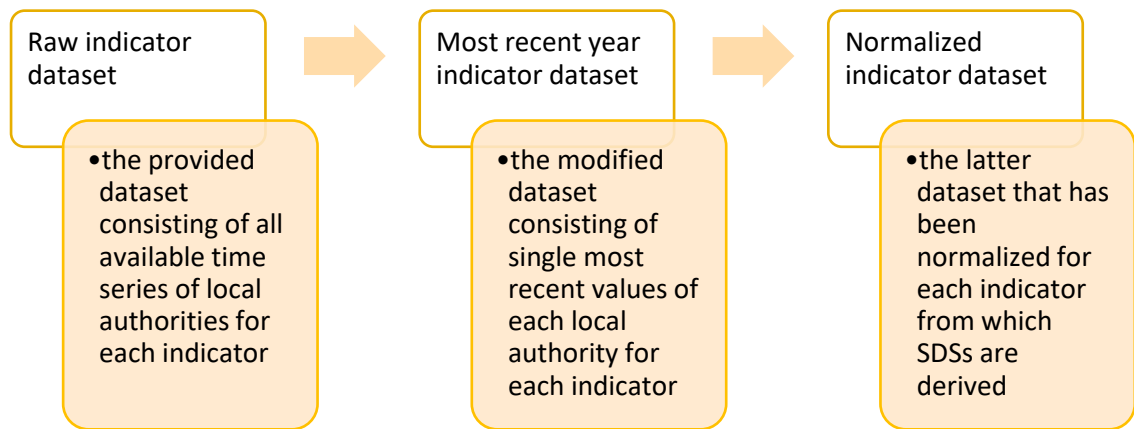


Figure 2. Process of most recent data application

Figure 2 presents the indicators' processing before compilation of single sustainability indexes. The most recent year application is conducted before indicator normalization, where indicators' most recent values are picked for each LA from LA-specific indicator data time series, if such is available, and then presented as static values. No time series is assessed in the normalization, but rather beforehand, to determine if higher or lower values are preferred for each indicator regarding the normalization procedure.

Furthermore, score time series could be examined by normalizing the most recent indicator values, and then the values before that, and then the values before the previous, and so on. This could result in an adequate time series for the aggregated SDSs, though the year dispersion would grow for LAs within and amongst indicators. Score time series analysis is trivial for this study, but could be made better use of in the future, as data coverage is improved. For these reasons, no trend of score time series is derived, though the notion for the desirable trend is used for the revision of indicators.

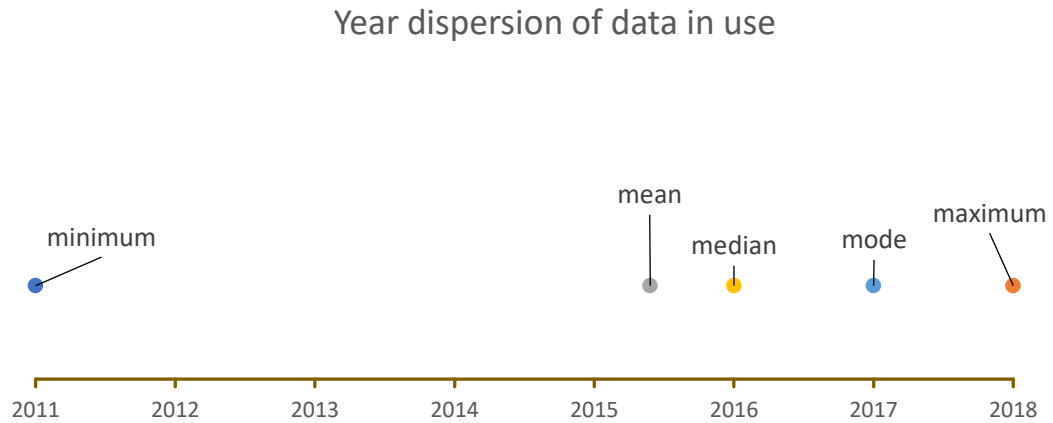


Figure 3. Year dispersion of data in use

The processed dataset analyzed in this thesis consists of information from years 2011 to 2018. The above Figure 3 presents the dispersion of information, after having applied the most recent year procedure: the average year for the available indicator data is 2015.4, the median year 2016 and the mode 2017. Noteworthy, the most recent information is also applied in the previously discussed VLR-implementation of New York (Voluntary Local Review New York City's Implementation of the 2030 Agenda for Sustainable Development, 2018), which again underlines the necessity of improving data coverage. Regarding the applied indicators in this study, the indicators' data time series are presented more closely in Appendix II.

3.4. The desirable trend for development

Depending on the indicator, the best and worst performance is determined by their desirable trend for development. The indicator-specific desirable trend for development is set either upward, or downward, depending on the indicator type and the current static state – the most recent data – the normalization analysis is set on. All the indicator values used are from current decade (time span presented in Figure 3), but again; different values may be of different years between LAs within indicators and among indicators.

The desirable trend for development for each indicator can be seen in the previously presented Table 2: the database consists of three different types of indicator trend development objectives (max, min and 50 or 100). These objectives determine the utilized

normalization formula, which is further discussed in the next chapter. However, some indicators' desirable trend is highly dependent on the current circumstances. For example, *Gini coefficient*, having the desirable trend set as minimization, describes the distribution of household's disposable income presenting values from 0 to 100, where a value of 0 would indicate that all the household's disposable income would be distributed evenly amongst the households in the municipality (Finnish institute for health and welfare, 2019). Though, regarding this indicator, the original data source authority (Finnish institute for health and welfare, 2019) has acknowledged the differences in household size and structure, natural variance is still caused by the differences in for example working status per household. So, in theory, a value of 0 would indicate an evenly distributed income for all households indifferent of unemployment. This hypothetical situation would result in no monetary intensives for inhabitants to be employed. So, if such value would occur, perhaps the desirable development for this indicator should be upward, eventually resulting in an upward rising time series.

For these reasons, a review of status quo is needed, and implemented for every indicator before the data normalization, (see Figure 2). From this examination also originates the concept for the desirable trend for development. Only a few indicators' objectives could be set intuitively upward, for instance *State of lakes and rivers*, or downward, for instance *Morbidity index*, if the normalization analysis would be examined overtime. A LA-specific examination of each indicator is ruled out by the assumption that the static state set for this study for all the indicators is not close to any questionable level for situations that could occur, like with *Gini coefficient* regarding the above reflection. Other types of controversial indicators emphasize local characteristics, such as land cover. For example, *Green spaces* presents the share of land area comprising green space, including agriculture. It favors rural areas, where the occurrence of green spaces and agricultural areas are naturally higher than in cities. Such indicators included in this analysis are furthermore assessed by weighting different characteristics of Finnish LAs.

4. Ranking performance by data normalization

For each indicator, the best performing LA scores 100, while the weakest scores 0. The rest LAs' indicator values are interpolated between 0 and 100. LAs with the same indicator value results also in the same score value. After normalization, the same scale is applied for LA's SDG-scores, as well as the SDSs. I apply the indicators' aggregation by carrying out the similar score scale throughout the analysis – as transparency is an important factor to ensure the usability of data-based analyses, I promote the legibility of sustainability performances, to ease the traceability through the steps, and to ensure the comparability between LAs.

So, the LA-specific SDRs are based on the minimum-maximum normalization application of indicator data that is yet aggregated as the SDSs. The aggregated SDSs, describing the overall sustainable development performances, consist of normalized indicator-specific performance scores: indicator data of LAs are normalized in relation to the rest dataset for each indicator. The normalized indicator scores are then allocated to their SDGs and furthermore derived as an aggregate SDS, from which SDRs are conducted. Following the indicators' assessment presented in the latter chapter, with the data processing operations; data normalization and score aggregation, Figure 4 presents the main procedure behind the construction of sustainability performance indexes, that is further continued in this chapter.

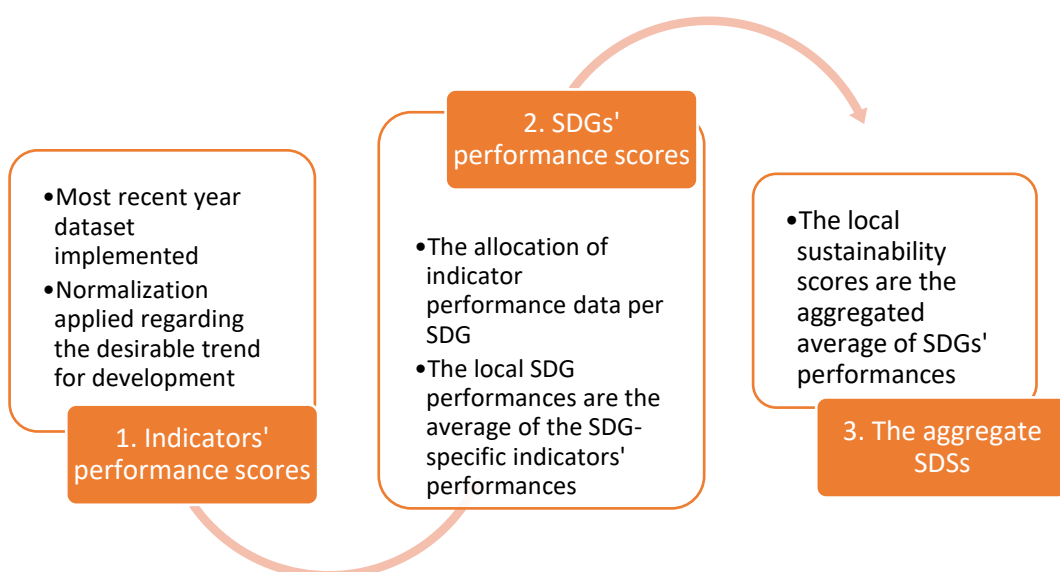


Figure 4. Steps for local sustainability performance analysis

4.1. Indicator normalization applications

The compilation of the local SDSs, and furthermore, the SDRs, follows the steps presented in Figure 4, which describes the aggregation procedure of the applied performance evaluation. Before the first step of indicator performance ranking, the provided indicators for analysis are defined within the set approach and dimensions, where the given indicators are allocated for each SDG. LA-specific normalization is calculated with formulas presented below, which depend on the set objectives of indicators – following the similar methodology of Munda (2005), however the notion used in this study for the set objective is *trend* (Table 2). This notion is based on the procedure of defining indicators' desirable trend for development discussed before.

For indicators with the optimal performance is as large as possible, the trend for development is set as *max* in Table 2. In this case the bigger the indicator value, the better – the maximum value of indicator dataset scores 100 and the minimum scores 0. For example, *High-speed internet* measures the share of households with access to fixed high-speed networks of at least 100 Mbit/s, for this indicator, the desirable trend for development is upward, meaning a bigger indicator value scores higher. For all the indicators, that have the set objective of maximization regarding status quo, are normalized via the below formula:

$$Z_{i_n} = \frac{x_{i_n} - \min_i}{\max_i - \min_i} * 100$$

where Z_{i_n} is the score value and x_{i_n} is the most recent year indicator value for local authority n and indicator i, whereas \max_i and \min_i are the maximum and minimum values of indicator i.

On the contrary, the desirable values for indicators such as *Child poverty* and *Relative poverty* is as low as possible and presented in Table 2 with trend as *min*. For these indicators, the minimum value of indicator dataset is the best performance, scoring 100, whereas the maximum value is the weakest score of 0. The previous normalization formula is thus reversed, to maintain the mutual ascending score scale – the applied data

normalization formula for indicators with minimization being the set objective is the following:

$$z_{j_n} = 100 - \left(\frac{x_{j_n} - \min_j}{\max_j - \min_j} * 100 \right)$$

where z_{j_n} is the score value and x_{j_n} is the most recent year indicator value for local authority n and indicator j, whereas \max_j and \min_j are the maximum and minimum values of indicator j.

The third type of desirable trend for indicator's development is the objective set as a certain value; the *trend* defined as a value of 50 (*Gender balance in labour market* and *Gender balance in local politics*) and 100 (*Salary equality between genders*) in Table 2. These three indicators, related to gender equality and therefore aligned to SDG 5, are relative measures of differences between men and women. Due to their characteristics, neither maximum nor minimum values are implicitly optimal. For these indicators, again, to be consistent on the score scale, the minimum distance from the optimal value scores 100 and the largest distance 0. An additional step is thus needed, where the distances between the original values and the objective value are calculated before the actual data normalization:

$$X_{k_n} = |x_k^* - x_{k_n}|$$

X_{k_n} equals the value of the distance between the optimum x_k^* indicator value and the original indicator value x_{k_n} for indicator k and local authority n

$$X_{k_{range}} = [X_{k_1}, X_{k_2}, X_{k_3}, \dots, X_{k_n}]$$

$X_{k_{range}}$ is the processed dataset of indicator k, consisting of all the distances calculated for each LA, $[1, 2, 3, \dots, n]$, with available data for indicator k.

The data normalization formula for minimization objective indicators can now be applied to calculate the performances via the $X_{k_{range}}$ dataset. So, the $X_{k_{range}}$ indicator data are like data of a minimization indicator, as the calculation of the distances between the optimum and the original values results in the best performance being the minimum value, and the worst the maximum value. Consequently, can the normalization be calculated also similarly following the same conversed formula presented below:

$$z_{k_n} = 100 - \left(\frac{X_{k_n} - \min_{k_{range}}}{\max_{k_{range}} - \min_{k_{range}}} * 100 \right)$$

where z_{k_n} is the score value and X_{k_n} is the most recent year indicator value for local authority n and indicator k from dataset $X_{k_{range}}$, whereas $\max_{k_{range}}$ and $\min_{k_{range}}$ are the maximum and minimum values of indicator k dataset $X_{k_{range}}$.

4.2. Indicator aggregation applications

Data normalization is obliged to commensurate the many different indicators into a workable form – indicators' aggregation would not be possible, if the indicators would not be processed as such. Normalization allows the combination of indicators having different units, modelling the data as unitless index values. By having all the processed indicators set as a range of values from 0 to 100, the aggregation of indicators is enabled. Having the indicators' data normalized, the SDG scores are derived as the average values of their corresponding indicator scores:

$$M_{sdg} = \frac{\sum_{sdg=1}^n m_{sdg}}{n}$$

where M_{sdg} is the score value of an SDG for local authority M, calculated as the average values of indicators' scores m; m_{sdg} describes an indicator of the given SDG.

The aggregated composite indicator of sustainable development, the SDS, from which the sustainability ranks, SDRs are derived, is also the average value of all the SDG scores:

$$M_{SDS} = \frac{\sum_{sdg=1}^n M_{sdg}}{n}$$

where M_{SDS} is the aggregated sum of all SDG-scores M_{sdg} for local authority M , divided by the number of available SDG scores.

The composite indicator application is thus constructed, first by normalizing indicator data regarding the desirable trend for development via the above formulas, and then calculating the presented averages of SDG-specific indicator scores. The average values of indicator scores compose the SDG scores. Lastly, all the average indicator score values, aligned to SDGs, forming the SDG-scores, are combined to make up the overall composite indicator. The composite indicator of sustainability performances, the SDSs, is thus the combination of the harmonized indicator score values. Even though, the aggregation of indicators scores to a single composite indicator does not require the additional step of SDG alignment, by forming the SDG scores, the examination of the separate areas of sustainable development is enabled within the framework of Agenda 2030 and the 17 SDGs. Also, the Agenda 2030 framework promotes the usability of the analysis in policy making and other purposes.

Figure 5 demonstrates the methodology behind the aggregated sustainability performance scores presented in this chapter. The maximum value for a LA's normalized indicator score is 100, where indicator scores are presented as the leftmost round symbols i . Following the arrows from indicators to SDGs, the circles in the center describe the SDG scores, that are the result of indicator scores' aggregation. The maximum value for a LA's SDG score is also 100. And, the right-hand sided circle in Figure 5, describes the LA-specific SDS. The connecting arrows again describe the SDG-scores' aggregation procedure. The maximum value for a LA's SDS is again 100.

Furthermore, the expected value $E\{i\}$ illustrates the selected aggregation calculation method, average values via formulas presented just before. The composite indicators, defined as SDSs in this study, describe the current performance of LAs for sustainable

development. Each LA gets a single score value that presents the state of sustainable development as an entirety, measured by the presented indicators, and in relation to the rest LAs of Finland.

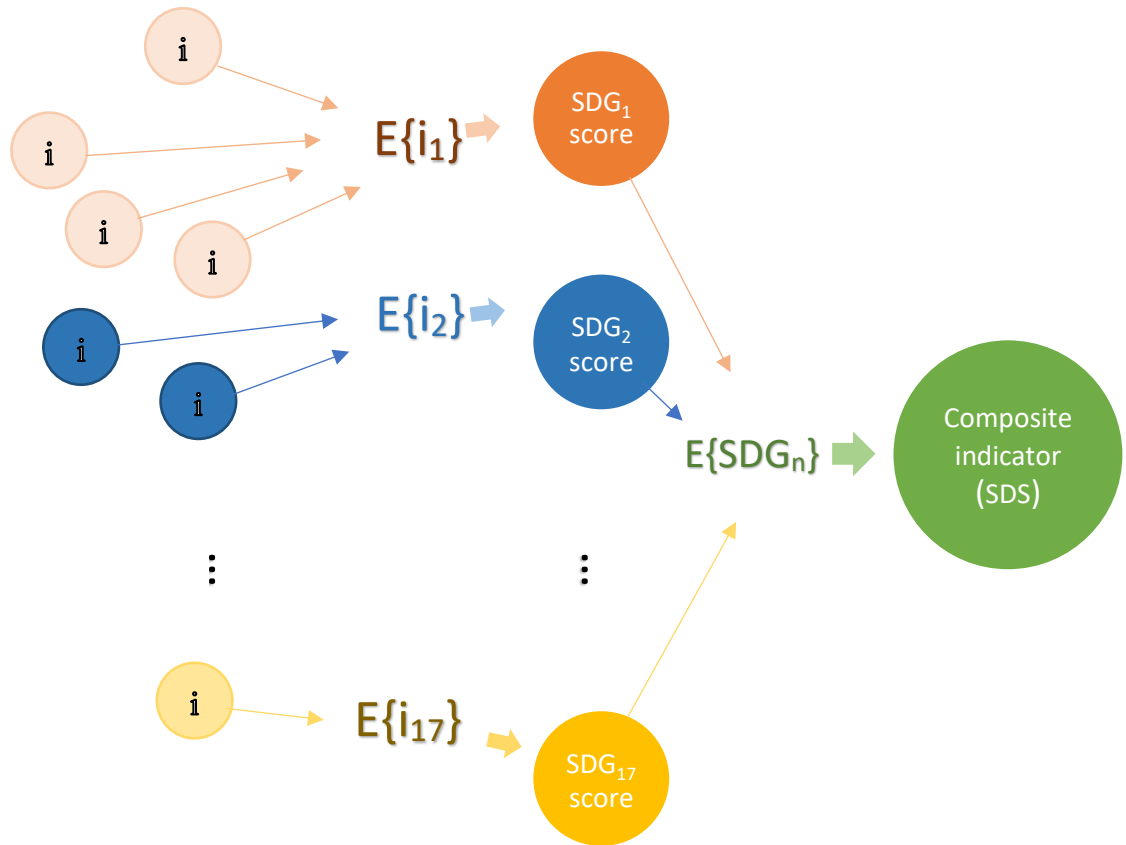


Figure 5. The construction method for the LA-specific SDS

Again, the LA's SDS values are calculated as the average values of SDG scores, also resulting in the maximum value of 100 – in Figure 5, the right-hand sided round symbol *Composite indicator (SDS)* describes the results of the LA-specific SDG scores' aggregation. Following the presented procedure, the making of LA-specific SDSs is in the focus of this study.

Furthermore, the SDSs are arranged in descending order to derive sustainability rankings, the SDRs. In other words, the SDRs are another way to present sustainability

performance numbers regarding the SDSs: this ranking application is a simplified method to present the same information that is the related LA-specific SDSs within the given field of research, in this case to all the rest SDSs. The SDRs are thus dependent on the derived SDSs, so the applied sustainability ranking can thus be presented via the following formula:

$$\text{rank}(M_{\text{SDS}}) = M_{\text{SDR}}$$

where M_{SDR} is the sustainable development rank for local authority M, derived from its sustainable development score M_{SDS}

The aggregation process results in the ideal LA-specific SDS of 100, following also the ideal SDR of 1; the applied methodology inevitably results as the ideal SDS 100 equalling without exception the SDR of 1. The best performing LA gets the SDR of 1, in other words the first position of rank that is dependent on the other LAs' SDSs. So, the SDR of 1 does not necessarily equal the SDS of 100, but merely the best among all the LAs in questions. When processing the original indicators' data into aggregated index numbers, it is noteworthy to acknowledge the different characteristics regarding the SDSs and SDRs. Also, the same SDS results also in the same SDR, where the next rank of position is defined as the number of LAs sharing the given position summed by the actual SDR value.

Lastly, sustainability ranking in general does not require data normalization, as it is simply a matter of rearranging data. A ranking assessment can be conducted based on information of the indicators' desirable trend for development – the minimum information needed for sustainability rankings is how the data should be ordered, in general either descending or ascending. If needed, sustainability rankings could be conducted on other levels of research as well; from indicators' scores, or SDGs' scores. Neither does the SDSs require any ranking assessment applications. However, providing both options facilitate the usability of the sustainability performance analysis. As ranking numbers may be easier to comprehend and use for instance via communication purposes, the normalized sustainability scores provide a deeper examination of indicators' data;

how the provided data behave when normalized, and how different data properties and distinctions in data quality affect the derived scores. Both, the SDSs and SDRs, give specific information of the aggregated sustainability indexes that can be defined to complement one another.

5. Analysis

The local sustainability performances are conducted four times, once without weights and three times after weighting different data-related attributes; this normalization analysis follows the general procedure presented in Figure 4, whereas the below Figure 6 describes the weighting application occurrence, including an additional step for the applied weighting by population coverage. This weighting application is applied before indicator normalization. LA-coverage weighting is applied after the normalization for each indicator, whereas weighting by indicator coverage is applied after normalization and the compilation of SDG performances. So, the weight applications are applied at the given steps, before moving onto the next ones, as presented in Figure 6.

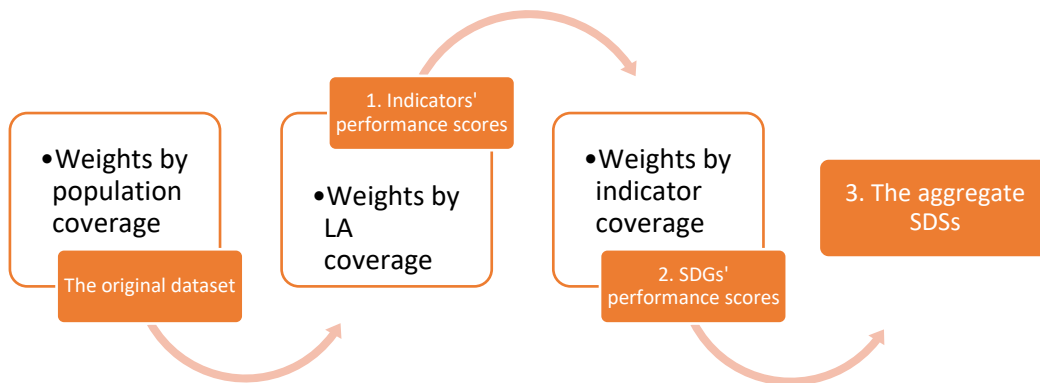


Figure 6. Steps for local sustainability performance ranking with weights' application occurrences

The non-weighted sustainability performance numbers could be made use of up to some extent, however they do not provide any information of data-related differences between LAs within, and among indicators, nor the possible aggregation-related challenges from single indicator performance numbers, to SDG-scores, and further to the overall performance numbers, the SDSs. Therefore, to gain a deeper understanding of the many data-related issues, are the weight applications derived. Each sustainability performance application is presented with a table of the top 10 and bottom 5 SDSs and SDRs. All the weighted sustainability performance outcomes are compared to the non-weighted sustainability numbers. The LAs that are not present in the non-weighted sample, but within the top 10 or bottom 5 after the weight application, are bolded to ease the reading of the outcomes' comparison.

The following analysis outcomes have been conducted for each of the applications, by applying the previously presented procedures for this sustainability analysis; the LA's aggregate SDS is compiled as the average of the SDG scores, that again are averages of the SGD-specific indicator scores. The ideal SDS for a LA, if not affected by a weight application, would be 100, which would mean scoring 100 in all the available indicators. After normalization, each LA gets a position of rank, a SDR, based on the derived SDS. The SDRs are arranged positions of ranks, where two LAs getting the same SDS, would result also in the same SDR; the value for the next SDR is determined by summing the previous position of rank by the number of shared LAs getting this SDR.

5.1. The non-weighted performance index

The non-weighted SDS is computed by applying the normalization formulas for each indicator regarding the desirable trend for development, and then aggregated to the aligned SDGs, and furthermore as the SDSs. No data-related differences, such as LA-coverage properties are yet addressed.

Table 3. The non-weighted SDS outcome

Local authority	No weights	
	SDR	SDS
<i>Kuopio</i>	1	63.98
<i>Jyväskylä</i>	2	63.08
<i>Joensuu</i>	3	62.92
<i>Riihimäki</i>	4	62.06
<i>Tampere</i>	5	61.91
<i>Vaasa</i>	6	60.95
<i>Helsinki</i>	7	60.92
<i>Lappeenranta</i>	8	60.67
<i>Kangasala</i>	9	60.57
<i>Pori</i>	10	60.50
⋮	⋮	⋮
<i>Kökar</i>	307	45.36
<i>Halsua</i>	308	45.34
<i>Sottunga</i>	309	44.67
<i>Kaavi</i>	310	43.93
<i>Koski Tl</i>	311	42.72

Table 3 presents the top ten and the five weakest performing LAs of the non-weighted normalization. The difference in performance between the first place (Kuopio) and second place (Jyväskylä) is 0.90. Furthermore, the difference between the performance of Kuopio and the weakest of Koski TI is 21.26. The average of the SDS performances is 52.91, whereas the median of the same non-weighted results is 52.78. The entire outcome is provided in Appendix III a).

5.2. The population-coverage-weighted performance index

The first weight application addresses the provided indicators' data by the share of population measured within each indicator. For instance, *Child poverty* covers only the share of LAs' under 18-year-old inhabitants, where weighting indicators by population coverage evens out the aggregated outcome of these types of indicators. This weighting application is conducted to balance the possible effects of certain age groups within LAs on the aggregated sustainability performances – there may be such population-coverage attributes, that either improve, or worsen the LA-specific SDSs related to others. By applying weights on the original dataset – as Figure 6 presents, the population coverage weights are applied before indicator normalization – the normalization outcome results are within the same range as with the non-weighted analysis; the best performing LA scores 100, as the worst scores 0. The SDG performance scores are again the average values of the SGD-specific indicator scores and the aggregated SDS similarly the average value of SDG performances.

An indicator-specific coefficient is derived for each LA and for all the indicators. The LAs' coefficients for population coverage are compiled as the mean value from population statistics of years 2010-2017 based on data provided by Statistics Finland (2019). Table 4 presents the 14 chosen indicators that measure a certain share of LAs' population, as all the rest either include the entire population, or are left out due to other characteristics. A LA's coefficient depends on its population structure. For instance, Kuopio's coefficient on indicators measuring the share of over 20-year-old inhabitants (*Obesity* and *Upper secondary school graduates*) is 0.7905 and similarly the coefficient for Koski TI for the same indicators is 0.7966. Indicators not included in the above table have a coefficient of 1 for all LAs. All the applied LA-specific population-coverage coefficients of the indicators' listed in Table 4 are provided in the Appendix IV.

Table 4. Indicators' population coverage

SDG	Indicator	Age group
1	Child poverty	< 18
1	Basic social assistance receivers	25-64
2	Vegetables in children's daily diet	10-11
3	Obesity	> 20
3	Elderly people living home	> 74
4	Upper secondary school graduates	> 20
4	Young people outside the education system	17-24
4	Loneliness of pupils	14-15
4	Discriminatory bullying of pupils	14-15
5	Gender balance in labour market	employed capita*
8	Unemployment	15-74
8	Jobs by workforce	15-74
10	Life satisfaction of young people	14-15
12	Sustainability in education	< 18

*the employed capita is the share of employed inhabitants within the workforce of age group 15-74.

Most of the indicators in Table 4, and notably all the indicators of SDG 4, measure young people, mostly inhabitants under 18 years old, whereas *Elderly people living home* measures the inhabitants aged 75 and older. Please note, that this weighting does not include *Youth unemployment*, the unemployment rate of inhabitants under 25 years old. This is to maintain the difference between *Unemployment* and the latter. Also, vaccination datasets of *Degree of vaccination* and *MMR vaccination* measure the vaccination degree of newborns but are not weighted due to the characteristics of vaccination programs.

In addition, many indicators, such as *Electric vehicle charging points* and *Passenger cars*, have properties that can only be influenced by adults. Nevertheless, the consumption habits and lifestyles of parents do influence children, at least indirectly. Arguably indicators, such as *Salary equality between genders*, *Loans*, *Tax rates*, *Unemployment* and for instance *Gini coefficient* have a direct influence on adults, at the same time affecting also the lives of at least a proportion of children. Some indicators shown in the previous table however balance the coverage of the adult population in age groups 15-75, 25-64 and over 20 years old inhabitants.

Therefore, the non-weighted SDS emphasizes the younger population, and slightly also the elderly, which again is not unambiguously a disadvantage. One could argue that the younger generation should be emphasized due to intergenerational sustainability factors, in which future generations are not yet involved. However, weighting the population coverage clarifies LA-specific data properties. The objective is to find out if a LA is performing well or poorly due to data of certain age groups. The entire outcome of the population-coverage weighting application is provided in Appendix III b).

Table 5. The population-coverage-weighted SDS outcome

Local authority	Weighted by population coverage		No weights		Comparison	
	SDR	SDS	SDR	SDS	Change in SDR	Change in SDS
<i>Kuopio</i>	1	62.21	1	63.98	± 0	-1.77
<i>Jyväskylä</i>	2	61.15	2	63.08	± 0	-1.93
<i>Joensuu</i>	3	61.01	3	62.92	± 0	-1.91
<i>Riihimäki</i>	4	60.56	4	62.06	± 0	-1.50
<i>Tampere</i>	5	59.72	5	61.91	± 0	-2.19
<i>Vaasa</i>	6	59.12	6	60.95	± 0	-1.83
<i>Kangasala</i>	7	59.10	9	60.57	+ 2	-1.47
<i>Pori</i>	8	59.02	10	60.50	+ 2	-1.48
<i>Oulu</i>	9	58.81	11	60.41	+ 2	-1.60
<i>Hyvinkää</i>	10	58.79	13	60.34	- 3	-1.55
⋮	⋮	⋮	⋮	⋮	⋮	⋮
<i>Halsua</i>	307	45.55	308	45.34	- 14	0.21
<i>Pukkila</i>	308	45.08	306	45.48	- 2	-0.41
<i>Kökar</i>	309	44.74	307	45.36	- 2	-0.62
<i>Kaavi</i>	310	43.67	310	43.93	± 0	-0.26
<i>Koski Tl</i>	311	43.42	311	42.72	± 0	0.70

Table 5 presents the outcome of the population-coverage-weighted SDSs in comparison the non-weighted numbers. Kuopio maintains the highest score of 62.21 with a slight decrease of -1.77 in comparison to the non-weighted performance. The difference in scores between Kuopio and the second-best performance of Jyväskylä, that also maintains its second place, is 1.06. Koski Tl is still lacking in performance, ranked as the last LA with a performance of 43.42. The difference in performance between Kuopio and Koski Tl is now 18.79. Surprisingly population-coverage-weighting improves the score of Koski Tl by 0.7 and Halsua by 0.21. Weighting data by population slightly levels the SDS

range (18.79) in comparison to the non-weighted data (21.26). The average SDS is now 52, while the median is at 51.84.

The other top ten and weakest five performances shifts in positions of three or less, with the exception of Halsua losing 14 positions after the weighting application, even though Halsua improves its SDS. Eight out of ten LAs in the table have a decreased SDS, indicating that they are somewhat evenly affected by the weights on population coverage. The greatest shifts in SDS and SDR of Halsua imply that the indicators affected by the weights have a significant positive influence on its SDS, but also many other LAs' SDSs outside Table 5 – hence the drop in the ranking position.

5.3. The LA-coverage-weighted performance index

The second weight application addresses data availability by the number of LAs with available data per each indicator: coefficients are compiled by the number of LAs covered in comparison to the total number of LAs in Finland. This application gives therefore less importance to indicators that cover less LAs. Table 6 presents all the weights applied by LA-coverage for each indicator.

Table 6. Indicators' LA-coverage

SDG	Indicator	LA-coverage
1	Basic social assistance receivers	94.53 %
1	Child poverty	99.04 %
1	Relative poverty	100 %
2	Soil erosion risk	100 %
2	Vegetables in children's daily diet	87.78 %
3	Dependency ratio	100 %
3	Elderly people living home	100 %
3	EPSI-rating	24.12 %
3	Non-urgent physician appointment waiting time	100 %
3	MMR vaccination	81.35 %
3	Morbidity index	100 %
3	Non-urgent physician appointment waiting time	100 %
3	Obesity	1.93 %
3	Degree of vaccination	42.12 %
4	Discriminatory bullying of pupils	86.82 %
4	Loneliness of pupils	68.81 %

4	Young people outside the education system	100 %
4	Upper secondary school graduates	100 %
5	Gender balance in labour market	100 %
5	Gender balance in local politics	100 %
5	Salary equality between genders	100 %
6	Investments in water management	100 %
6	Level of wastewater treatment	51.45 %
7	Residential electricity consumption	100 %
7	Wind power capacity	100 %
8	Jobs by workforce	100 %
8	Loans	100 %
8	Tax rates	100 %
8	Unemployment	100 %
9	High-speed internet	100 %
9	New businesses	100 %
9	Diversity of workplaces	100 %
10	Population change	100 %
10	Gini coefficient	100 %
10	Life satisfaction of young people	90.68 %
10	Youth unemployment	98.07 %
11	Air quality (NO2)	12.86 %
11	Air quality (PM10)	13.50 %
11	Electric vehicle charging points	100 %
11	Grocery store attainability	100 %
11	Passenger cars	100 %
11	Public transport viability	100 %
12	Residential energy consumption	100 %
12	Sustainability in education	100 %
13	Carbon sink potential	100 %
13	Climate change risk and adaptation policy	0.64 %
13	GHG emission for residential sector	100 %
13	GHG emissions per capita	26.05 %
13	GHG reduction target	0.64 %
14	State of lakes	87.14 %
14	State of rivers	90.68 %
15	Forest growth	100 %
15	Green spaces	100 %
15	Protected habitats	100 %
16	Corruption in local institutions	100 %
16	Crimes against life and health	100 %
16	Criminality	100 %
16	Municipal election voter turnout	100 %
16	Parliament election voter turnout	100 %
17	Cooperation in sustainability	100 %

Derived from information of Table 6, the indicators' median LA-coverage is 100 %, while the average LA-coverage is 85.97 %. The average value is affected intrinsically by extremely minor coverages of indicators *Climate change risk and adaptation policy* (0.64 %), *GHG reduction target* (0.64 %) and *Obesity* (1.93 %).

In this study, the difference between the population-coverage-weight and the LA-coverage-weight applications is that the latter is applied after indicator normalization (Figure 6). Weighting the original data by LA-coverage would result in the same outcome as with the non-weighted data. This is intuitive, as weighting by LA-coverage alters the LAs' data in the same relation for each indicator, not affecting the aggregated LA-specific performance scores. However, by weighting the values of LAs' indicator performance rankings, that is after indicator normalization, the best performing LA does not necessarily score 100, but rather 100 multiplied the indicator-specific weight presented in Table 6. Weighting will decrease the impact of, for instance the latter indicators with miniscule LA-coverages, on the aggregated SDSs.

Table 7. The LA-coverage-weighted SDS outcome

Local authority	Weighted by LA-coverage		No weights		Comparison	
	SDR	SDS	SDR	SDS	Change in SDR	Change in SDS
<i>Kuopio</i>	1	58.30	1	63.98	± 0	-5.68
<i>Lumparland</i>	2	57.29	42	57.33	+ 40	-0.04
<i>Jyväskylä</i>	3	57.27	2	63.08	- 1	-5.81
<i>Riihimäki</i>	4	57.21	4	62.06	± 0	-4.85
<i>Joensuu</i>	5	56.77	3	62.92	- 2	-6.15
<i>Lemland</i>	6	56.73	47	57.02	+ 41	-0.29
<i>Tampere</i>	7	56.61	5	61.91	- 2	-5.30
<i>Jomala</i>	8	56.57	35	58.15	+ 27	-1.58
<i>Luoto</i>	9	56.44	26	58.86	+ 17	-2.42
<i>Pori</i>	10	56.38	10	60.50	± 0	-4.12
⋮	⋮	⋮	⋮	⋮	⋮	⋮
<i>Halsua</i>	307	44.73	308	45.34	+ 1	-0.61
<i>Sottunga</i>	308	44.63	309	44.67	+ 1	-0.04
<i>Kemi</i>	309	44.50	274	48.39	- 35	-3.89
<i>Kaavi</i>	310	42.81	310	43.93	± 0	-1.12
<i>Koski Tl</i>	311	42.55	311	42.72	± 0	-0.17

Table 7 presents the outcome after weighting the indicator score values by indicators' LA-coverages. A notable change in performance is of Lumparland, having the second-best score in this outcome compared to its rank of 42 in the non-weighted outcome. Also, the other two LAs of Åland, Lemland (having the largest positive shift of 41 positions) and Jomala, improve their ranking positions significantly, on the same time Kuopio still scoring the best performance. A notable negative shift is with Kemi, losing 35 positions with a -3.89 change in its SDS. All the calculated LA-coverage weighted performance scores are provided in Appendix III c).

The score of Kuopio (58.30) is decreased significantly (-5.68) compared to the non-weighted outcome, having now 1.01 as the difference between the second-best performance of Lumparland. Koski TI has still the weakest performance of 42.55. The difference in performance between Kuopio and Koski TI is now only 15.75, evening even more the score distribution in comparison to the latter normalization applications. The LA-coverage weighted SDS average is 50.33 and median 50.10. Even though weighting by indicators' LA-coverage increases ranking positions of some LAs significantly, each LA presented in Table 7 have a decrease in score outcome compared to their non-weighted outcome. Notably, this weighting application design affects the performance outcomes negatively, where the optimal SDS after this weighting application is 90.07, not 100 – all the performance outcomes are thus, in this case, within a range between 0 to 90.07. The optimum SDS can be deduced following the aggregation procedure from coefficients presented in Table 6.

5.4. The indicator-coverage-weighted performance index

Where indicators are appointed to the given SDGs by matching the themes and the areas of sustainability, this weight application addresses the coverage of each sustainability theme, that is the SDGs by the number of available indicators: the third weight application gives each SDG an equal importance, regardless of the number of appointed indicators per SDG.

Indicator coverage is presented with the second-to-last step of SDG performance ranking in Figure 6, as it affects the given SDGs: this application gives no area of sustainability, in this case an SDG, an advantage via having a better indicator coverage. At the same time,

it rules out the possible benefits or disadvantages of a LA lacking in performance in SDGs with many indicators, or vice versa. Data availability being a well-known issue, this application is set to equal all SDGs, ruling out major deficiencies in data coverage.

The indicator coverage weights are applied to SDGs after indicator normalization, affecting the outcome in a similar way as before with LA-coverage weights. The best performance of a LA for each SDG is therefore the coefficient presented in Table 8 multiplied by the LAs' non-weighted SDG score. This results in, for instance SDG 1 No poverty, the ideal performance of 33, rather than 100. Again, the ideal performance form for instance SDG 17 Partnerships for the goals, is 100, as only a single indicator is appointed to describe this given area of sustainability. Table 8 shows the weights applied for this application, which are appointed in this case for each SDG.

Table 8. SDGs' indicator coverages

SDG	Number of indicators	Coefficient
1 No poverty	3	0.333
2 Zero hunger	4	0.25
3 Good health and well-being	9	0.111
4 Quality education	5	0.2
5 Gender equality	3	0.333
6 Clean water and sanitation	4	0.25
7 Affordable and clean energy	3	0.333
8 Decent work and economic growth	5	0.2
9 Industry, innovation and infrastructure	3	0.333
10 Reduced inequalities	4	0.25
11 Sustainable cities and communities	6	0.1667
12 Responsible consumption and production	2	0.5
13 Climate action	6	0.1667
14 Life below water	4	0.25
15 Life on land	4	0.25
16 Peace, justice and strong institutions	5	0.2
17 Partnerships for the goals	1	1

Whether the multiplication by SDG coefficients is applied before or after deriving SDG performance scores is indifferent regarding the outcome: the aggregation method from indicator-level normalization to the SDGs is the same average score application, as with the SDG-level score aggregation to the overall SDSs level – the scale of performance scores does not change within the aggregation steps.

Table 9 presents the SDS outcome after the indicator scores have been weighted by their coverage regarding their appointed SDG. Again, the performances are no longer values between 0 and 100, as the optimal SDS is thus no longer 100, but a value of 30.16. The optimal SDS in this application is the weighted average of the optimal SDGs' score values, that is the coefficients' average value, (see Table 8). As the SDS range in this case is significantly reduced, the comparison of changes in SDS values between the non-weighted outcomes is not requisite.

Table 9. The indicator-coverage-weighted SDS outcome

Local authority	Weighted by indicator coverage		No weights		Comparison
	SDR	SDS	SDR	SDS	Change in rank
<i>Kuopio</i>	1	20.45	1	63.98	± 0
<i>Riihimäki</i>	2	20.24	4	62.06	+ 2
<i>Jyväskylä</i>	3	20.20	2	63.08	- 1
<i>Joensuu</i>	4	20.08	3	62.92	- 1
<i>Tampere</i>	5	20.03	5	61.91	± 0
<i>Pori</i>	6	19.84	10	60.50	+ 4
<i>Vaasa</i>	7	19.69	6	60.95	- 1
<i>Helsinki</i>	8	19.69	7	60.92	- 1
<i>Espoo</i>	9	19.65	15	60.33	+ 6
<i>Lappeenranta</i>	10	19.63	8	60.67	- 2
⋮	⋮	⋮	⋮	⋮	⋮
<i>Sottunga</i>	307	11.44	309	44.67	+ 2
<i>Kinnula</i>	308	11.43	296	46.98	- 12
<i>Halsua</i>	309	11.43	308	45.34	- 1
<i>Kaavi</i>	310	10.73	310	43.93	± 0
<i>Koski Tl</i>	311	10.71	311	42.72	± 0

The biggest shift within the top 10 and the bottom 5 cities is the decrease of 12 positions of Kinnula. Kuopio is once again in the first place with a performance of 20.45, while Koski Tl is still in the last with a performance of 10.71 – the difference in performance between the latter cities is 9.74. The difference in performance between Kuopio and the second-best Riihimäki is 0.21. Riihimäki improves its rank by two positions. The indicator-coverage-weighted outcome average value is 14.14 and median 13.47. Please note that the same SDS, 19.69, of Helsinki and Espoo results in different SDRs, as the performance outcomes are presented as rounded values. All the indicator-coverage weighted score application performances are provided in Appendix III d).

6. Discussion

Data quality has no doubt a large impact on the score outcomes of this study, as the given indicators determine how well LAs manage regarding the aggregated sustainability scores. Also, as Munda (2005) states regarding a similar indicator normalization sustainability assessment, the success in such analyses depends on the LAs included – the applied normalization regarding the relative distances of LAs is a simple approach for measuring sustainability performances (Munda, 2005).

However, in the study of Holden et al. (2014) sustainable development was measured on a country-level via four indicators of (annual) ecological footprint per capita, human development index, Gini coefficient and the share of renewable energy in comparison to total in primary energy markets. These meters were set to describe the following dimensions: ensuring long-term ecological sustainability, satisfying the basic human needs and favouring intragenerational and intergenerational equity (Holden et al. 2014). This spatial assessment was carried out by similarly setting targets to the given indicators and relating the assessed countries regarding these targets – thus, the derived sustainability performance application in this paper is comparatively feasible, but prone to many data-related challenges.

Interestingly Kuopio did score the best and Koski TI the worst in all the derived SDS applications. Also, by giving less significance to indicators with less available LA-specific data, the small LAs of Jomala, Lemland and Lumparland, located in Åland, managed much better regarding the non-weighted scores. Even though the population- and the indicator-coverage weight applications did cause shifts in SDSs, the examined top 10 and bottom 5 LAs did not bring up a similar group of LAs. Otherwise, city-like LAs, such as Jyväskylä, Riihimäki and Joensuu, seemed to be do well with the applied indicators.

The difference between LAs' performances throughout the analysis is minor. When comparing the non-weighted performances with weight applications, a slight decrease in an SDS could mean a significant drop in the corresponding ranking position, and vice versa. Furthermore, a slight increase in SDS might still be relatively inadequate regarding the SDS-improvements of others, resulting in a decrease in SDR, as was with Halsua and the population-coverage weighting application, (see Table 5). Figure 6 presents all the

applied indexes on a coordinate system, where the x-axis is the LA-specific SDS and the y-axis its corresponding SDR.

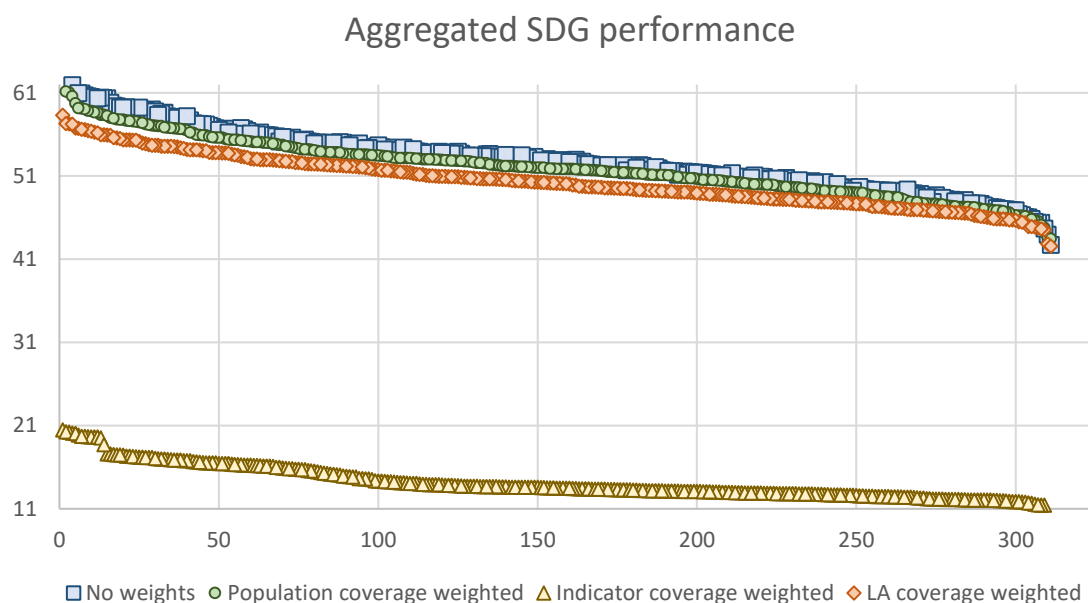


Figure 6. Sustainability performance application coordinate system

The applied weights decrease the distribution of sustainability performances, that is the difference between the best and weakest SDS values, also decreasing the best performance outcome, which happened to be without exception, Kuopio. The LA coverage and indicator coverage weight applications are designed to alter the indicator dataset, where the best and the worst SDS range is not the same of 0 to 100 – when comparing the four alternative aggregated performance indexes, taking notice of the different designs of all the applications is underlined. All the weighting applications are conducted to acknowledge the different characteristics of the indicators' data, however the utilization of any of the applied SDSs or SDRs, for instance in local policy making depends on the LAs, to say the least: each of the LAs' four aggregated indexes have its own purpose addressing different data characteristics, therefore no index application is unambiguously preferable over the other.

6.1. Examination of the best and weakest performances

Kuopio is a city located in the Northern Savonia region, with a population close to 120 000 (Statistics Finland, 2019), whereas the municipality of Koski Tl is in the region of Southwest

Finland with a population of a little over 2 000 (Statistics Finland, 2019). Despite the somewhat sizeable difference in the number of inhabitants, neither LA represents the extremes location-wise, or regarding population numbers in Finland. Many characteristics may be different between Koski TI and Kuopio, for instance regarding the local economic structure, the age structure of inhabitants, the degree of urbanization and many more, but understanding the differences behind the compiled SDSs demand a more precise examination of the 59 indicators used for analysis: Table 10 presents the non-weighted performance outcomes of Koski TI and Kuopio for each indicator.

Table 10. The non-weighted indicator scores of Koski TI and Kuopio

SDG	Indicator	Koski TI	Kuopio
1	Basic social assistance receivers	-	38.94
1	Child poverty	70	74.14
1	Relative poverty	33.17	43.90
2	Soil erosion risk	89.98	94.42
2	Vegetables in children's daily diet	9.06	59.40
3	Dependency ratio	33.56	83.98
3	Elderly people living home	60.80	70.80
3	EPSI-rating	-	56.25
3	MMR vaccination	-	85.71
3	Morbidity index	58.72	39.49
3	Non-urgent physician appointment waiting time	-	-
3	Obesity	-	-
3	Degree of vaccination	-	87.69
4	Discriminatory bullying of pupils	-	75.55
4	Loneliness of pupils	-	75.78
4	Young people outside the education system	81.90	91.90
4	Upper secondary school graduates	29.26	75.39
5	Gender balance in labour market	59.05	80.63
5	Gender balance in local politics	72.87	83.13
5	Salary equality between genders	29.36	58.50
6	Investments in water management	4.95	4.93
6	Level of wastewater treatment	-	100
7	Residential electricity consumption	89.46	97.63
7	Wind power capacity	0	0
8	Jobs by workforce	43.47	43.60
8	Loans	99.56	69.02
8	Tax rates	92.18	71.71
8	Unemployment	56.63	43.72
9	High-speed internet	69.00	79.00
9	New businesses	26.26	18.10

9	Diversity of workplaces	0	76.51
10	Population change	32.18	64.37
10	Gini coefficient	79.86	79.17
10	Life satisfaction of young people	-	55.94
10	Youth unemployment	61.58	51.98
11	Air quality (NO2)	-	47.28
11	Air quality (PM10)	-	28.24
11	Electric vehicle charging points	0	6.49
11	Grocery store attainability	29.73	65.29
11	Passenger cars	59.48	78.23
11	Public transport viability	0	64.43
12	Residential energy consumption	66.56	85.83
12	Sustainability in education	0	0.99
13	Carbon sink potential	41.86	81.40
13	Climate change risk and adaptation policy	-	-
13	GHG emission for residential sector	50	40.63
13	GHG emissions per capita	-	81.92
13	GHG reduction target	-	-
14	State of lakes	-	75.40
14	State of rivers	17.77	76.96
15	Forest growth	74.61	70.78
15	Green spaces	98.76	97.70
15	Protected habitats	0	0.12
16	Corruption in local institutions	100	98.70
16	Crimes against life and health	81.41	76.58
16	Criminality	93.85	90.09
16	Municipal election voter turnout	39.04	9.91
16	Parliament election voter turnout	62.74	39.49
17	Cooperation in sustainability	0	100

Notably Kuopio's performance is better in most of the indicators, though Koski TI does score better with 16 indicators of *Morbidity index*, *Investments in water management*, *Loans*, *Tax rates*, *Unemployment*, *New businesses*, *Gini coefficient*, *Youth unemployment*, *GHG emission for residential sector*, *Forest growth*, *Green spaces*, *Corruption in local institutions*, *Crimes against life and health*, *Criminality*, *Municipal election voter turnout*, *Parliament election voter turnout*. The presented scores are presented with the symbol “-”, where no data is available: the lack of data does inevitably affect the performances, as Koski TI has no data available for a somewhat remarkable amount of 16 indicators, where Kuopio is lacking data for 4 indicators.

By wrapping this analysis around the Agenda 2030 SDGs, the assessment of separate aspects of sustainable development is feasible, enabling a more thorough examination of

the derived sustainability performances: this type of an aggregated indicator application allows to examine how the different SDGs contribute to the overall sustainability performance (Costanza et al., 2016). Table 11 presents the indicator coverage of Koski TI and Kuopio by the chosen areas of sustainability, that is the SDGs.

Table 11. The indicator coverage of Koski TI and Kuopio by SDG

SDG	Indicators	Coverage of Koski TI	Coverage of Kuopio
1 No poverty	3	66.67 %	100 %
2 Zero hunger	2	100 %	100 %
3 Good health and well-being	8	37.5 %	75 %
4 Quality education	4	50 %	100 %
5 Gender equality	3	100 %	100 %
6 Clean water and sanitation	2	50 %	100 %
14 Life below water	2	100 %	100 %
7 Affordable and clean energy	4	100 %	100 %
8 Decent work and economic growth	3	100 %	100 %
9 Industry, innovation and infrastructure	4	75 %	100 %
10 Reduced inequalities	6	66.67 %	100 %
11 Sustainable cities and communities	2	100 %	100 %
12 Responsible consumption and production	5	37.5 %	75 %
13 Climate action	2	50 %	100 %
15 Life on land	3	100 %	100 %
16 Peace, justice and strong institutions	5	50 %	100 %
17 Partnerships for the goals	1	100 %	100 %

Even though both cities have each SDG covered by at least one indicator, the lack of data gives more stress to indicators with data: the performance of a single indicator is

emphasized regarding the SDGs and the aggregated SDSs. Also, a single indicator gives a very limited scope for an entire SDG, which implies the difficulties in finding proper data of local sustainability areas. Each SDG is however covered at least with one indicator, which is again the minimum requirement for the SDG-specific performance scores. Nevertheless, minor data availability arises a question of the need to align the indicators with the SDGs; the Agenda 2030 framework has its benefits, but a little indicator coverage intrinsically describes the whole theme rather mildly.

Before the aggregation of the overall sustainability performances, by first aggregating the normalized indicators' data to the 17 SDGs, it is possible to assess SDG-specific performances of the several data weighted applications: Figure 7 presents the non-weighted SDG-specific score distributions of Koski TI and Kuopio. The outer numbers of the radar chart present each corresponding SDG ordinal. Koski TI has a better performance with SDGs 8 and 16, and having the data of Koski TI and Kuopio examined more closely – taking into account all the data-coverage-related issues – the performance of Koski TI with these two SDGs is a positive surprise.

Non-weighted SDG performance distribution

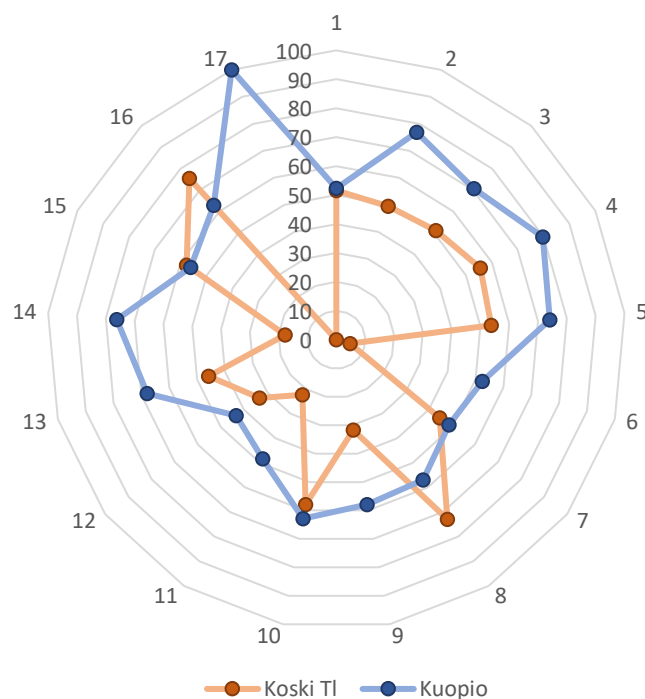


Figure 7. Koski TI and Kuopio SDG score distribution

It is clear, that data availability is a challenge which needs to be addressed, if this analysis is to be repeated via the same indicators and the same research area. The indicators data in use are nevertheless workable, but one must recognize all the constraints regarding this analysis method: it is up to LAs to decide if they find this analysis and its methodology necessary and relevant for instance to support policy making – the same data-related constraints affect naturally the aggregated SDG scores, as well as the SDSs and the SDRs. However, computing an analysis of only a single, or a few SDGs, rather than the entire ensemble, could be a more approachable assessment, not having that many variables and components interlinked to each other.

This way neither would the possible setbacks of nonrelevant indicators, or SDGs have an impact on the aggregation, as the analysis could be computed of a more limited framework. Comparability is as well an important factor to gain knowledge of how progress has been made in relation to others – comparability is enabled as the indicators' data is normalized in relation to the rest LAs, however, not every LA might be interested in the total comparison of all the Finnish LAs, but rather a smaller amount of similar kinds of areas, twin towns, neighbouring LAs, and so on. Where the importance of relevant themes is usually denoted by weights, indicator weight applications may also be argued due to the fact that different LAs are affected by the same indicator in different ways (Phillis et al., 2014). So, the necessity of the defined research area is also in this case something that could be further contemplated.

As sustainability indicators may enforce sustainable development via adaptative processes of learning-by-doing (Pupphachai & Zuidema, 2016), any of the applied sustainability scores may serve as a tool for LA's sustainability work, however indicator-based analyses supporting actual work requires that authorities see the entire application useful, including all the indicators provided, the methodology, assessment area, and so on. Indicator relevance and data coverage are factors that need proper attention when deriving comparable indicator-based scores on the research area: Finland has many regional idiosyncrasies, for instance regarding population structure and land cover – regional differences vary across Finland, where finding proper and relevant indicators for every LA is a challenge.

6.2. Altering the normalization relation

There are many ways to conduct an indicator-based sustainability assessment of aggregated index numbers, where no methodology is implicitly preferable than others. Where this study is focused on the minimum-maximum normalization computation, from which the aggregated SDSs and SDRs are derived, a similar kind of study could have been made by many other ways. Notably there are many methods to commensurate the same kind of indicator data, to enable data aggregation, and thus an application of a composite indicator.

The aggregation methodology is another question that could be further examined. In this study, the normalization is applied for each indicator, interpolating the LAs' indicator-specific score values regarding the rest LA's indicator values. The normalization could thus be interpreted as a *competitive* relation, where the sustainability performance scores are dependent on factors within the research area of all the LAs included.

When addressing the usability of sustainability analyses based on data normalization applications, one should note the role of normalization methodology and how the relation is set out. For instance, would the best performing LA have incentives to better the state of sustainability, if it is already the best of the given study area? Then again, if this type of an assessment would be repeated, the best performing LA could lose its first place. On the contrary, would again the worst performing LAs have incentives to make use of the results of this kind of analyses.

Figure 8 presents an alternative normalization method; one of the many alternative methodologies for processing data, along with also the indicator-specific minimum-maximum normalization applied in this study via *greenhouse gas (GHG) emissions per capita*, also an indicator used in the SDSs computations. A comparison is presented of an external objective that could be related to, for instance a policy objective of decreasing per capita greenhouse gas emissions – the presented normalization with an external optimum (orange) differs in the way data performances are related, regarding the minimum-maximum normalization method applied in this study (blue).

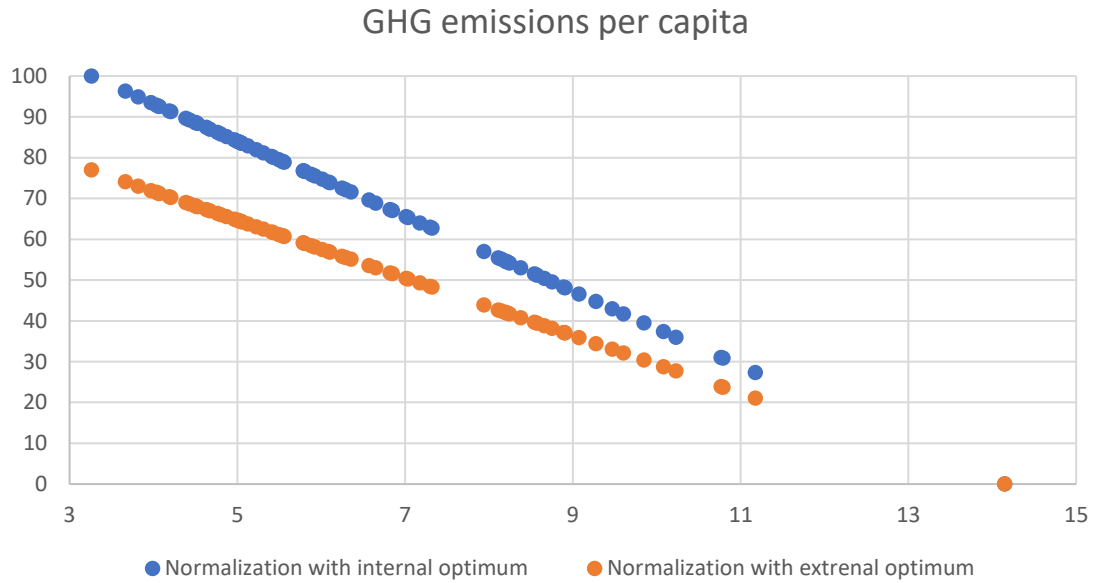


Figure 8. Normalization objective comparison

An external optimum refers to an outer objective value, so, in this case, the best performance does not necessarily score 100. In Figure 8 the external objective of GHG emissions are set at zero, and due to the fact that no LA has the level of net emissions equal to, or below zero, the best score is a rather modest 76.97 of Järvenpää. So, the external objective does not make the derived sustainability performance scores dependent of other LAs in the same way: having a range from 0 to 100 of sustainability performance values, the performance relation is done within the analysed LAs in the applied case of the applied minimum-maximum normalization. All the performance scores for both the external and internal optimum applications are provided for the available LAs for *GHG emissions per capita* in Appendix V.

Setting an external policy-based objective as a stricter control instrument to speed up the reduction of GHG emissions, the slope of the score performance line-like figure decreases, likewise in Figure 8. Altering only the optimal value, also alters only the intercept via the decrease in slope. Please note that Figure 8 differs from the latter coordinates (Figure 6), as the x-axis presents, in this case the actual LAs' GHG emissions per capita, not the SDRs, where the y-axis presents the same applied score performance values – only in this case of a single indicator.

The external optimum application may be a good alternative, for measuring single indicators, that could be made use of when, for instance, monitoring the realization of policy objectives. An external objective gives information of both inadequate measures, like the example in Figure 8, but also inadequate policy objectives, if all, or many LAs get a score performance of over 100. This, however, could also be the case of a successful policy making, after the many LAs, scoring over 100, have been successful in implementing the policy. So, the interpretation of the different cases varies, and should therefore be assessed under the correct circumstances. And further, should also be the choice of the normalization method be assessed as expediently as possible, as the purposes vary case-by-case: there are many purposes for assessing sustainability, where the given information of the minimum-maximum normalization, examining the *competitive* relations, is not in every case adequate.

7. Conclusion

I compiled aggregated sustainability indexes, presented as the SDSs and SDRs, for each LA in Finland via a provided dataset of 59 indicators in total. The many indicators of various themes were aligned with the Agenda 2030 17 SDGs and made viable by the applied minimum-maximum normalization method. After indicator-specific normalization, the LAs' indicator scores were aggregated as the SDG-specific averages, whereupon the LA-specific examination of SDGs' progress was enabled. An SDG-specific inspection was carried out in the latter discussion section in Chapter 6, whereas the main focus of this study was the examination of the aggregated SDSs and SDRs, which again were compiled by calculating the average values of the SDG scores for each LA.

Studying large and complex matters involves many contingent components, which demand clear steps throughout the analysis. I assessed such components from setting the somewhat obscure concept of sustainable development, as it was defined in the Brundtland report, following the set framework of UN's Agenda 2030; the 17 SDGs. The SDGs were applied via the provided indicators' dataset, providing a guideline to the multidimensional concept of ecological, environmental and societal aspects. My focus was yet to scrutinize data-related characteristics needed to be addressed along this multi-step sustainability assessment. I addressed these data-related attributes by compiling the analysis of LA-specific sustainability indexes, the SDSs and SDRs, four times – once without weights, once with data weighted by population coverage, another time with data weighted by the coverage of LAs, and once more with data weighted by indicators' coverage regarding their aligned SDGs. All the weighted applications were compared to the non-weighted outcomes to illustrate, firstly the role of indicators data quality in such analysis, and secondly how minor changes in normalized data may shift the sustainability scores and positions quite a bit via the applied methodology and provided data.

The intriguing outcome of this study was that regarding all the four data-related applications, Kuopio scored invariably the best and Koski TI the worst every time. After reflecting reasons behind this outcome, data availability emerged as a significant factor influencing this study: this analysis may be used, for instance to support, local planning or policy making only by acknowledging all the elements needed to be defined along the compilation of the sustainability performance numbers; the used indicators and their

applicability, as well as the applied methodology. Data-driven sustainability analysis may act as a supporting factor in local policies, if data is applied the best way possible regarding local necessity and policy objectives, which again vary case-by-case. Indicators are efficient meters, but only within their own scope – correct interpretation of data is underlined. So, in the end the further use of this analysis depends on how the provided indicators are seen to serve their purpose in measuring sustainable development.

To conclude, there lies a challenge within the expediency of measuring the many LAs of Finland with a group of indicators. To further study this subject, one could alter the indicators in use, for instance by limiting the indicators to only a few, one from each chosen theme. This could ease the use of such analyses in practice. Furthermore, as I focused on the data-related examination of the chosen normalization method, the differences of the many alternative normalization methods could be further assessed. The discussion regarding the data objectives in Chapter 6 was merely the tip of an iceberg, where the comparison of data normalization methods offers a lot to examine, along the applied sustainable development indicators. Also, there are more data-related characteristics that could be assessed within the existing analysis, where data could be weighted, for instance regarding the degree of urbanization, or perhaps the economic pressure related to dependency ratios. Furthermore, the limited scope of the top 10 and bottom 5 LAs may also have left out some interesting findings – nonetheless, all the results are included in Appendix III.

All in all, there are many ways that one could continue this study – let it be mentioned, that this type of a study could also have been executed with an entirely different set of indicators. Also, there are many other normalization methods that could be applied in sustainability analyses, where each method has its own pros and cons regarding how the data is applied and made commensurable. By considering all the latter possibilities to continue this study, as well as all the other alternatives to compute such analyses, it leaves no question that there are many ways to measure indicator-based sustainable development performances. Data availability was one of the biggest challenges that I came across in this study, which hopefully is improved in the future, offering even better data quality to analyze and compare sustainable development performances on all levels and across state borders. Measuring sustainable development is certainly not simple, however by developing the right kind of indicators, may true progress be verified, which eventually will guide us towards an overall better and prosperous world.

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Appendix I – Indicators’ metadata and reference table

sdg	name	metadata	reference
1	Basic social assistance receivers	This indicators presents the share of households with people receiving preventive social assistance aged 25 - 64 in comparison to the same aged inhabitants. Data includes the reference person and his/her spouse.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Toimeentulotukirekisteri (THL).
1	Child poverty	This indicator measures the percentage of under 18-year-olds belonging to low-income households in each municipality. Low-income households earn less than 60 % of the median household income. The lower the value, the lower the rate of child poverty.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Tulonjaon kokonaistilasto (Tilastokeskus).
1	Relative poverty	This indicator describes the percentage of people living in low-income households of all people living in the municipality. Households are living in poverty if their household income (adjusted to account for household size) is less than 60% of the average. All poverty rates are calculated on an after housing costs basis.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Tulonjaon kokonaistilasto (Tilastokeskus).
2	Soil erosion risk	This indicator presents the soil erosion risk via revised universal soil loss equation (RUSLE) used for soil erosion risk evaluation. Values calculated in 2016.	Luonnonvarakeskus, 2019.
2	Vegetables in children's daily diet	Values present the percentage of pupils in 4th and 5th grades, whom eat fruits, berries and vegetables every day. Data is collected via survey, from which those respondents are presented, who report eating both fruits or berries and vegetables daily.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL), Kouluterveyskysely (THL).
3	Dependency ratio	The data presents the amount of inhabitants under 15 and over 64 in relation to a hundred 15-64 aged inhabitants per municipality. The lower the value, the lower the (demographic) dependency ratio, that is pressure on the working age inhabitants.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Väestötilasto (Tilastokeskus).
3	Elderly people living home	This indicator presents the share of over 74-year-olds living at home in comparison to the same aged inhabitants. The option of living at home can be promoted by service and infrastructure development.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL), Sosiaali- ja terveydenhuollon hoitoilmoitusrekisterit (THL).
3	EPSI-rating	The EPSI-rating measures citizen satisfaction in municipalities through the following questions: - Think about your experiences of the services your municipality of residence provides. How satisfied are you? - To what extent are the services at your municipality of residence fulfilling all your expectations? - Picture a perfect municipality of residence. How close is your municipality of residence to this municipality?	EPSI rating Finland.
3	MMR vaccination	The EPSI-rating is carried out as an interview study on a municipal level. Data presents the coverage of the first MMR-vaccine dose for children born in the given year. Data presented for municipalities with registered municipal level vaccination data.	Terveystiedon ja hyvinvoinnin laitos (THL). 2018.
3	Morbidity index	This indicator presents the local morbidity index via the following registry information: - Mortality - Proportion of working age capita with disability pension - Proportion of capita entitled to special refunds on medicines and clinical nutritional preparations The higher the value, the greater the degree of local	Tilasto- ja indikaattoripankki Sotkanet.fi (THL), Other statistics from Kela; Kela's morbidity index, age standardised. (Kela = Social Insurance Institution of Finland)

morbidity - the morbidity index is age-adjusted. The national average morbidity index value is always 100.

3	Non-urgent physician appointment waiting time	Data presents the share of kept appointments for a non-urgent physician's appointment in primary health care outpatient care, where the waiting time for appointment exceeds 7 days from contact.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Perusterveydenhuoltotilasto (THL).
3	Obesity	This indicator describes the share (%) of obese people (body mass index BMI ≥ 30 kg/m ²). The body mass index of 30 kg/m ² is an internationally accepted obesity limit.	Murto J, Kaikkonen R, Pentala-Nikulainen O, Koskela T, Virtala E, Härkänen T, Koskeniemi T, Jussmäki T, Vartiainen E & Koskinen S. Aikuisten terveys-, hyvinvointi- ja palvelututkimus ATH:n perustulokset 2010-2016. Verkkojulkaisu: www.thl.fi/ath
3	Degree of vaccination	The indicator describes the percentage of children vaccinated with the DTaP-IPV-Hib vaccine, which includes vaccines for diphtheria, tetanus, pertussis, polio and Hib-vaccination. The vaccine is given to children under 12 months old and therefore the indicator describes the percentage of vaccinated children of all children born that year.	(c) Terveystieteiden tutkimuskeskus 2017, CC BY 4.0: THL, Rokotusrekisteri.
4	Discriminatory bullying of pupils	This indicator presents the share of 8th and 9th graders who have experienced discriminatory bullying at school or leisure time during school year.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Kouluterveyskysely (THL).
4	Loneliness of pupils	This indicator presents the share of 8th and 9th graders who feel lonely fairly often or all the time.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Kouluterveyskysely (THL).
4	Young people outside the education system	This indicator presents the share of 17-24-year-olds outside the education system in comparison to the rest of the same aged inhabitants. An individual outside the education system is defined as a person, whom is not a student, or a graduate. The comparison is made by the mean of total population for the given age group per municipality.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Tutkintorekisteri (Tilastokeskus).
4	Upper secondary school graduates	This indicator presents the share of 15-year-olds and older, who have upper secondary education in the total population of the same age. The population data refer to year-end data. Upper secondary education refers to those who have passed the matriculation examination or have completed, in a vocational institution, studies of no more than 3 years and leading to a vocational qualification.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Tutkintorekisteri (Tilastokeskus).
5	Gender balance in labour market	Data presents the share of employed women in comparison to the aggregate amount of employed inhabitants.	Tilastokeskus, Työssäkäynti. 28.5.2018.
5	Gender balance in local politics	Data presents the share of female municipal council members for Mainland Finland elected in 2017 and municipal council members for Åland elected in 2015.	Tilastokeskus, Kunnallisvaalit. 4.4.2018. & ÅSUB, Ålands statistik- och utredningsbyrå (2018)
5	Salary equality between genders	This indicator measures women's median monthly earnings as a percentage of men's median monthly earnings. Some municipalities have regional values for reasons of confidentiality.	Tilastokeskus, Palkkarakennetilasto. 8.5.2018.
6	Investments in water management	This indicator presents investment expenditures by municipalities allocated to water supply and sewage management per gross floor area. Investments are needed to maintain water supply networks and ensure adequate water quality. Data of 2017 for gross floor area is used for all years.	Tilastokeskus, Kuntien investoinnit 2015-2017. & Asuminen. Updated 14.02.2019.
6	Level of wastewater treatment	This indicator for wastewater treatment is based on the Urban Waste Water Treatment Directive (UWWTD). The level of wastewater treatment expresses the state of compliance with UWWTD including the connection compliance, the 2nd treatment compliance and 3rd treatment compliance.	European Commission urban waste water website: Finland; Agglomerations; Compliance.
7	Residential electricity consumption	Data presents the total annual electricity consumption of housing and agriculture sectors per capita.	Energiatieto Oy; Tilastot; Sähkönkäyttö kunnittain 2007-2017. & Tilastokeskus, Kuntien avainluvut 1987-2017. 18.5.2018.

7	Wind power capacity	This indicator presents the cumulative wind power capacity (kW) per 1000 inhabitants by municipalities.	Suomen Tuulivoimayhdistys. & Tilastokeskus, 004 -- Väestö iän (1-v.) ja sukupuolen mukaan alueittain 1972 - 2017. 4.7.2018.
8	Jobs by workforce	The number of jobs is compared to the amount of inhabitants in workforce for each year. Workforce is defined as every employed or unemployed person aged 15-74.	Tilastokeskus, Kuntien avainluvut 1987-2017 & Työssäkäynti. 15.2.2018..
8	Loans	Data is presented as the total amount of financial capital subtracted by advances received, payables, accruals and other liabilities in relation to inhabitants per municipality.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Kuntatalous (Tilastokeskus).
8	Tax rates	This indicator presents the annual average of municipal tax rates (€)	Tilastokeskus, Veronalaiset tulot. 10.01.2019.
8	Unemployment	This indicator describes the share of unemployed job seekers per total workforce aged 15-74. Values calculated from monthly data: Municipalities left out of yearly average count, if less than six months data per year is available.	Tilastokeskus, Työssäkäynti. 8.1.2018.
9	High-speed internet	The share of households with internet access broadband of at least 100 Mbit/s.	Viestintävirasto. (2018)
9	New businesses	This indicator measures the number of new businesses per 1000 inhabitants.	Tilastokeskus, Aloittaneet ja lopettaneet yritykset. 5.2.2018. Updated 9.8.2018. & Tilastokeskus, Kuntien avainluvut 1987-2017. 16.6.2018.
9	Diversity of workplaces	<p>This indicator presents the number of available workplaces per sectors by applying the Shannon index. An evenness for workplace diversity is calculated, resulting in a diversity range from zero to 100. The available workplaces are applied via a division of nine industry sectors listed below:</p> <ul style="list-style-type: none"> - Agriculture and Fishing - Energy and Water - Manufacturing - Construction - Distribution, Hotels and Restaurants - Transport and Communications - Banking, Finance and Insurance - Public Admin, Education and Health - Other Services <p>The bigger the value, the more diverse workplace availability measured by the above industry sectors. A value of a hundred implies that all available workplaces are divided equally between the given sectors. A high workplace diversity offers jobs for a variety of experts in different fields, lowering the risks of different shocks to local areas. However, workplace diversity may be limited by factors, such as natural resources and geographical location.</p>	Tilastokeskus, Työssäkäynti. 19.7.2018.
10	Population change	This indicator presents the annual change in population. The population change is presented as the relative change per year in comparison to previous year data.	Tilastokeskus, Kuntien avainluvut. 10.1.2019.
10	Gini Coefficient	The Gini coefficient indicates the distribution of income or wealth within a municipality, where the coefficient of zero expresses a perfect distribution in income wealth, which indicates that everyone in the area would have the same income. The value of one hundred would mean that only one person would possess all the income wealth in the given area, in other words maximal inequality.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Tulonjaon kokonaistilasto (Tilastokeskus).
10	Life satisfaction of young people	This indicators presents the share of 8th and 9th graders very or fairly satisfied with their life (at the moment of survey).	Tilasto- ja indikaattoripankki Sotkanet.fi (THL); Kouluterveyskysely (THL).
10	Youth unemployment	Data presents the amount of unemployed inhabitants, whom are under 25 years old and seeking for work, in comparison to the same aged workforce. Municipalities' annual youth unemployment data is counted by averages of monthly statistics. Smaller municipalities' data might	Työ- ja elinkeinoministeriö, Työnvälitystilasto.

		be scarce and limited for reasons of confidentiality. Yearly averages are presented for municipalities with no data limitations, and for municipalities with available monthly statistics for at least six months per year.	
11	Air quality (NO2)	NO2 annual mean data is limited to municipalities with measuring points for air quality. The values for municipalities with several measuring points are counted as arithmetic averages. Values are not weighted.	Ilmatieteenlaitos. http://ilmatieteenlaitos.fi/ilmansaasteet . 7.5.2018. Updated 7.8.2018.
11	Air quality (PM10)	PM10 annual mean data is limited to municipalities with measuring points for air quality. The values for municipalities with several measuring points are counted as arithmetic averages. Values are not weighted.	Ilmatieteenlaitos. http://ilmatieteenlaitos.fi/ilmansaasteet . 7.5.2018. Updated 7.8.2018.
11	Electric vehicle charging points	Data includes all types of charging points (from rapid to slow). Values are preliminary for 2017 and absolute; a sum of all kinds of informed charging points per municipality. Data includes some non-public charging points meant for customers and employers.	Eera Oy, Suomen julkiset latausasemat ja -pisteet 15.5.2017.
11	Grocery store attainability	This indicator presents the share of population living no more than 500 meters away from the nearest grocery store.	Elinympäristön tietopalvelu Liiteri; Tilastokeskus, Väestötietojärjestelmä/Väestörekisterikeskus : 2000 - . 04.01.2019.
11	Passenger cars	This indicator presents the number of passenger cars per capita in a municipality.	Tilastokeskus & Trafi. Ajoneuvokantatilastot 2011-2017. & ÅSUB, Ålands statistik- och utredningsbyrå (2018). & Tilastokeskus, Kuntien avainluvut 1987-2017. 16.6.2018.
11	Public transport viability	This indicator presents the proportion of the population living in areas with density of at least 20 inhabitants/hectare. This population density is considered a prerequisite for public transport viability.	Elinympäristön tietopalvelu Liiteri; Tilastokeskus : 2000 - . 13.11.2018.
12	Residential energy consumption	This indicator presents the residential energy consumption (MWh/capita).	Elinympäristön tietopalvelu Liiteri; Suomen ympäristökeskus ja Väestötietojärjestelmä/Väestörekisterikeskus. 22.8.2018 & Tilastokeskus, 004 -- Väestö iän (1-v.) ja sukupuolen mukaan alueittain 1972 - 2017. 22.8.2018.
12	Sustainability in education	This indicator presents the share of educational institutions that have a Vihreä lippu -certificate per 1000 inhabitants of under 20-year-olds.	Ympäristökasvatusjärjestö FEE Suomi. & Tilastokeskus, 004 -- Väestö iän (1-v.) ja sukupuolen mukaan alueittain 1972 - 2017. 29.6.2018.
13	Carbon sink potential	This indicator presents the local carbon sink potential as a percentage of forests and marshland areas compared to all land areas. Carbon sink area includes areas of deciduous forests, coniferous forests, mixed forests and treeless bogs (classifications according to Corine 2012).	Elinympäristön tietopalvelu Liiteri; Suomen ympäristökeskus (osittain METLA, MMM, MML, VRK) : 2012 - . 13.11.2018.
13	Climate change risk and adaptation policy	This indicator gives an estimation of how far cities have come in identifying relevant climate change risks and adapting to them. Information for this indicator is collected by a questionnaire and answers are, to some extent, subjective. The questionnaire consists of different climate change risks and sectors they might have impacts on. Cities are asked to evaluate if they have estimated certain risks and their impacts and if they have planned or implemented adaptation actions.	Questionnaire ² .
13	GHG emissions for residential sector	This indicator presents the residential green house gas emission per municipality.	Elinympäristön tietopalvelu Liiteri; Suomen ympäristökeskus ja Väestötietojärjestelmä/Väestörekisterikeskus. 22.8.2018
13	GHG emissions per capita	The indicator does not include emissions from industry or land use, land-use change and forestry. GHGs included are: carbon dioxide, methane, nitrous	Kuntien ja kaupunkien päästölaskentapalvelu CO2-raportti, Benviroc Oy.

² Please see Appendix I a) Collected data of indicators Climate change risk and adaptation policy and GHG reduction target: questionnaire

		oxide. These gases are aggregated into a single unit using gas-specific global warming potential factors. The aggregated greenhouse gas emissions are expressed in units of CO2 equivalents.	
13	GHG reduction target	This indicator describes the GHG reduction targets of municipalities. Information for this indicator is collected by a questionnaire. The indicator measures the average annual emission reduction target from baseline to the target year, assuming a linear trajectory. The scope of emission reduction target varies by municipality.	Questionnaire ³ .
14	State of lakes	This indicator presents the average ecological status of lakes, weighted proportionally by the area of each lake considered. Status <i>Unknown</i> is not included in the calculations. The status is presented via the following range: 5 = High status or maximum potential. 4 = Good status or potential. 3 = Moderate status or potential. 2 = Poor status or potential. 1 = Bad status or potential. Unknown - status not assessed	Ecological status data: Water Framework Directive - Water Information System for Europe (WISE) database, European Environment Agency 2018. Water body location information: European Environment Agency WFD-WISE reference spatial datasets.
14	State of rivers	This indicator presents the average ecological status of rivers, weighted proportionally by the area of each river considered. Status <i>Unknown</i> is not included in the calculations. The status is presented via the following range: 5 = High status or maximum potential. 4 = Good status or potential. 3 = Moderate status or potential. 2 = Poor status or potential. 1 = Bad status or potential. Unknown - status not assessed	Ecological status data: Water Framework Directive - Water Information System for Europe (WISE) database, European Environment Agency 2018. Water body location information: European Environment Agency WFD-WISE reference spatial datasets
15	Forest growth	This indicator presents the total growing stock volume on forest and poorly productive forest land.	Luonnonvarakeskus, Kuntatilastot mvmi8-2015. 07.01.2019.
15	Green spaces	This indicator presents the share of green spaces by municipalities, including agricultural areas, according to CORINE land cover map 2012: - Green urban areas - Sport and leisure facilities - Agro-forestry areas - Broad-leaved forest - Coniferous forest - Mixed forest - Natural grasslands - Moors and heathland - Sclerophyllous vegetation - Transitional woodland-shrub - Inland marshes - Peat bogs - Salt marshes - Non-irrigated and permanently irrigated arable land - Rice fields - Vineyards - Fruit trees and berry plantations - Olive groves - Pastures - Annual crops associated with permanent crops - Complex cultivation patterns - Land principally occupied by agriculture	Calculated from Copernicus Land Monitoring Service - European Environment Agency / Joint Research Centre, CORINE land covermap 2012.
15	Protected habitats	This indicator presents protected habitats by categories defined by the International Union for Conservation of Nature:	Calculated from European Environment Agency, Nationally designated areas (CDDA) GIS data, ©Finnish Environment Institute, 2017.

³ Please see Appendix I a) Collected data of indicators *Climate change risk and adaptation policy* and *GHG reduction target*: questionnaire

		<ul style="list-style-type: none"> - Strict Nature Reserve (Ia) - Wilderness Area (Ib) - Natural Monument or Feature (III) - Habitat/Species Management Area (IV) 	
16	Corruption in local institutions	This indicator describes the level of corruption in local institutions by the number of offences by civil servants per 1000 inhabitants.	Tilastokeskus, Rikos- ja pakkokeinotilasto & Kuntien avainluvut 1987-2017. 28.3.2018. Updated 6.8.2018.
16	Crimes against life and health	This indicator presents the amount of crimes against life and health reported to the police. The crime data is related to 1000 inhabitants, where the population data is year-end data. Crimes included are violent offences, (murders, manslaughters and offences against life and health), that are dealt either with an offence report, summary penal order or a fine. Crimes are recorded by the place of offence.	Tilasto- ja indikaattoripankki Sotkanet.fi (THL), Rikos- ja pakkokeinotilastot (Tilastokeskus).
16	Criminality	This indicator presents the total crime rate per 1000 capita.	Tilastokeskus, Rikos- ja pakkokeinotilasto. 19.7.2018. & Kuntien avainluvut 1987-2017. 3.4.2018.
16	Municipal election voter turnout	This indicator presents the voter turnout of the given elections.	Tilastokeskus, Vaalit. 13.11.2018. & Ålands statistik- och utredningsbyrå (ÅSUB), Val. 14.02.2019.
16	Parliament election voter turnout	This indicator presents the voter turnout of the given elections.	Tilastokeskus, Vaalit. 24.1.2019.
17	Cooperation in sustainability	<p>This indicator measures participation in local and global projects and networks by presenting values between zero and two. A value of two means that the given municipality is taking part in both national and international projects and networks, whereas a value of one indicates participation in only one of the previous. Municipalities not participating in neither national nor international collaboration projects or networks will get a value of zero.</p> <p>International organisations included:</p> <ul style="list-style-type: none"> - Global Covenant of Mayors for Climate & Energy - ICLEI - 100 Resilient Cities <p>National participation is measured via Fisuv-verkosto, Hinku-foorumi and MAL-sopimukset.</p>	Data from information provided by Global Covenant of Mayors for climate & energy, ICLEI Europe, 100 resilient cities, Hinku-foorumi, Fisuv-verkosto and Ympäristöministeriö; MAL-sopimukset 2016–2019.

I a) Collected data of indicators Climate change risk and adaptation policy and GHG reduction target: questionnaire

This (translated) form is used to collect data of indicators *Climate change risk and adaptation policy* and *GHG reduction target*.

Local authority/municipality name:

My name (officer):

Job role:

Date:

Instructions:

This questionnaire aims to collect data for two indicators covered by the Mayors' Sustainable Development Indicators. The service provider (MSDI Oy) is then responsible for the collection of data on the remaining indicators included in the service.

The information that is needed is described in column *Needed information* (below) and you can enter your information in column *Data*. Please fill in the table as clearly and extensively as possible, and do not forget to include units (e.g. "percent").

It is voluntary to fill out this questionnaire. If the information is not available, the indication in question will not be included for your local authority/municipality.

SDG no	UN SDG goal for sustainable development	Indicator	Needed information	Data	Additional information
13	Climate action	Climate reduction target	Does your municipality (area as a whole, not the municipal administration itself) have an official climate reduction target for e.g. the years 2020, 2030 or 2040? If so, what is this target, and what is the baseline year that this reduction is benchmarked to?		
13	Climate action	Preparedness for climate risks and climate adaptation	Please fill out the data for this indicator in the table included below. Instructions can be found below this table.	See below	

Preparedness for climate risks and climate adaptation

Possible climate risks (extreme heat, cold, precipitation, floods, sea level rise, droughts, storms, landslides, forest fires) are listed in the horizontal axis in the table below.

On the vertical axis are the sectors listed which might be impacted (buildings, transport, energy, water, waste, land use planning, agriculture and forestry, environment and biodiversity, health, civil protection and emergency, and tourism).

Please estimate and fill in each cell if the climate risks have been identified in your municipality, and if adaptation activities have been planned or implemented for the various sectors. Please use the following scale:

- NA = (Not applicable) The climate risk is not relevant for the sector in question in our municipality.
- 0 = The climate risk and its possible effects has not been assessed in our municipality for the sector in question.
- 1 = The climate risk has been identified in our municipality, but adaptation actions for the sector in question have not been planned or implemented.
- 2 = The climate risk has been identified in our municipality, and adaptation actions have been planned for the sector in question.
- 3 = The climate risk has been identified in our municipality and adaptation actions have been implemented for the section in question.

Please select one of the values above for each cell in the table.

Sector/Climate risk	Extreme heat	Extreme cold	Extreme precipitation	Floods	Sea level rise	Drought	Storms	Landslides	Forest fires
Buildings									
Transport									
Energy									
Water									
Waste									
Land use planning									
Agriculture and forestry									
Environment and biodiversity									
Health									
Civil protection & Emergency									
Tourism									

Appendix II – Data time series table

indicator	average	median	mode
Basic social assistance receivers	2016	2016	2016
Child poverty	2015.96	2016	2016
Relative poverty	2016	2016	2016
Soil erosion risk	2013	2013	2013
Vegetables in children's daily diet	2017	2017	2017
Dependency ratio	2017	2017	2017
Elderly people living home	2014	2014	2014
EPSI-rating	2016	2016	2016
MMR vaccination	2012	2012	2012
Morbidity index	2014	2014	2014
Non-urgent physician appointment waiting time	2013.42	2014	2014
Obesity	2015	2015	2015
Degree of vaccination	2014.92	2015	2015
Discriminatory bullying of pupils	2014	2014	2014
Loneliness of pupils	2014	2014	2014
Young people outside the education system	2016	2016	2016
Upper secondary school graduates	2017	2017	2017
Gender balance in labour market	2015	2015	2015
Gender balance in local politics	2017	2017	2017
Salary equality between genders	2015.97	2016	2016
Investments in water management	2014	2014	2014
Level of wastewater treatment	2013.99	2014	2014
Residential electricity consumption	20167	2017	2017
Wind power capacity	2017	2017	2017
Jobs by workforce	2015	2015	2015
Loans	2016	2016	2016
Tax rates	2014	2014	2014
Unemployment	2016	2016	2016
High-speed internet	2017	2017	2017
New businesses	2017	2017	2017
Diversity of workplaces	2015	2015	2015
Population change	2014	2014	2014
Gini coefficient	2016	2016	2016
Life satisfaction of young people	2014	2014	2014
Youth unemployment	2016.91	2017	2017
Air quality (NO2)	2016.95	2017	2017
Air quality (PM10)	2016.98	2017	2017
Electric vehicle charging points	2017	2017	2017
Grocery store attainability	2014	2014	2014
Passenger cars	2017	2017	2017
Public transport viability	2014	2014	2014
Residential energy consumption	2017	2017	2017

Sustainability in education	2017	2017	2017
Carbon sink potential	2012	2012	2012
Climate change risk and adaptation policy	2017	2017	2017
GHG emission for residential sector	2017	2017	2017
GHG emissions per capita	2016	2016	2016
GHG reduction target	2017	2017	2017
State of lakes	2016	2016	2016
State of rivers	2016	2016	2016
Forest growth	2012	2012	2012
Green spaces	2012	2012	2012
Protected habitats	2016	2016	2016
Corruption in local institutions	2017	2017	2017
Crimes against life and health	2017	2017	2017
Criminality	2017	2017	2017
Municipal election voter turnout	2013.9	2014	2014
Parliament election voter turnout	2012	2012	2012
Cooperation in sustainability	2018	2018	2018
Corruption in local institutions	2017	2017	2017
State of rivers	2016	2016	2016
WHOLE DATASET	2015.4	2016	2017

Appendix III – Local authorities’ sustainable development scores and ranks

III a) Non-weighted score outcome matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	TOTAL	RANK
Akaa	62.18	68.12	62.41	73.64	77.09	50.00	47.64	48.07	37.44	56.75	23.56	39.65	40.41	42.08	59.51	63.68	0.00	50.13	239
Alajärvi	49.02	73.18	54.43	71.17	51.86	51.15	47.57	62.10	55.76	64.14	21.64	39.74	75.47	55.10	50.18	77.57	0.00	52.95	151
Alavieska	49.63	67.67	53.85	65.36	66.28	1.74	69.83	55.78	34.68	66.47	23.76	37.42	73.95	17.77	51.39	74.77	0.00	47.67	287
Alavus	48.05	68.51	58.54	69.88	76.35	51.77	47.29	62.45	38.23	61.32	20.37	38.57	68.46	58.59	50.61	69.46	0.00	52.26	172
Asikkala	64.37	70.56	61.39	64.64	71.53	50.00	45.21	58.33	51.02	58.17	27.67	36.00	61.41	69.12	63.43	77.48	50.00	57.67	41
Askola	78.74	74.40	67.05	64.19	62.40	2.48	46.34	52.23	37.29	64.36	17.57	42.14	55.05	37.81	54.44	70.98	0.00	48.68	270
Aura	72.37	75.18	67.21	64.10	80.56	51.22	47.34	52.35	54.73	65.08	23.13	43.38	45.15	17.77	56.91	53.70	50.00	54.13	107
Brändö	56.13	99.17	46.28	45.12	67.55	0.00	45.72	69.05	34.28	59.57	18.68	40.29	47.49		32.66	75.05	0.00	46.07	303
Eckerö	78.74	90.32	61.16	47.24	46.80	1.97	46.66	69.09	64.84	86.45	0.45	44.04	67.70	100.00	49.83	64.85	0.00	54.13	108
Enonkoski	55.02	71.45	37.94	61.08	65.88	0.81	43.89	61.86	24.41	61.03	21.55	32.96	84.99	85.18	61.12	75.75	0.00	49.70	244
Enontekiö	51.37	57.72	60.05	68.33	70.90	0.00	45.92	51.66	36.14	74.40	21.83	37.68	76.31	94.83	57.05	67.45	50.00	54.21	104
Espoo	68.12	78.51	67.84	75.00	74.41	0.05	48.72	50.79	50.84	65.96	53.31	46.72	61.53	62.23	46.32	75.28	100.00	60.33	15
Eura	68.71	75.52	63.55	60.89	58.95	51.30	46.90	63.49	47.35	65.58	21.28	34.81	55.60	59.70	56.70	71.02	0.00	53.02	150
Eurajoki	82.91	83.74	64.61	70.79	51.46	50.51	47.08	62.30	41.43	73.80	17.30	50.21	60.26	61.17	57.20	72.68	50.00	58.67	29
Evijärvi	76.96	78.61	60.85	71.10	58.66	1.39	45.95	67.89	62.34	65.77	18.92	37.07	63.01	38.07	49.76	80.15	0.00	51.56	193
Finström	74.79	86.33	67.58	52.32	74.86	0.05	47.67	63.88	67.69	65.27	7.94	42.65	54.25	50.63	51.46	68.33	0.00	51.51	194
Forssa	50.42	79.18	63.95	64.50	80.73	27.14	48.39	60.35	58.84	56.12	43.94	37.93	53.77	32.39	59.40	67.81	50.00	54.99	82
Föglö	59.47	78.72	71.84	22.67	67.00	3.57	46.20	80.63	29.75	46.72	9.85	39.77	56.00		50.15	73.72	0.00	46.00	304
Geta	60.00	87.84	50.36	8.51	60.57	4.60	42.27	74.24	61.06	67.47	11.03	42.59	63.48		40.31	59.04	0.00	45.84	305
Haapajärvi	47.98	72.06	55.84	69.52	51.65	50.00	52.73	57.49	34.43	65.86	25.65	40.69	76.24	47.75	52.40	64.40	0.00	50.86	218
Haapavesi	49.23	76.34	55.86	74.32	68.08	71.40	47.33	56.66	35.53	60.86	22.90	41.70	75.47	37.39	47.47	69.42	0.00	52.35	167
Hailuoto	59.86	99.33	38.87	77.82	74.42	0.00	47.61	55.75	64.39	53.80	20.12	39.54	78.63		46.23	75.34	50.00	55.11	79
Halsua	60.07	49.82	51.97	38.35	52.41	0.00	44.68	65.93	38.82	53.32	17.64	38.15	77.80	59.27	46.42	76.17	0.00	45.34	308
Hamina	62.33	76.55	68.31	59.17	67.46	52.01	48.42	47.36	42.20	58.47	30.82	42.47	54.40	58.49	54.35	64.75	50.00	55.15	76
Hammarland	71.70	76.47	75.57	48.36	77.84	1.86	46.54	69.24	63.99	81.81	5.87	43.56	58.54	75.00	51.25	66.30	0.00	53.76	120
Hankasalmi	46.20	61.62	53.82	75.09	88.69	1.02	45.98	55.60	36.14	59.17	21.94	35.29	64.52	65.82	56.96	70.65	0.00	49.33	254
Hanko	65.06	94.05	59.40	52.08	61.49	4.11	48.08	42.16	47.63	56.06	36.85	34.73	40.52	75.00	51.63	67.07	50.00	52.11	178
Harjovalta	50.10	84.67	39.37	69.17	69.62	4.10	48.43	64.01	42.86	59.80	30.76	35.64	45.06	38.62	54.69	65.39	0.00	47.19	293
Hartola	35.28	72.24	60.73	61.10	73.31	1.67	45.07	55.66	32.48	59.07	24.10	34.37	75.84	74.00	61.60	64.77	0.00	48.90	268
Hattula	81.00	78.47	66.91	75.71	64.29	50.00	46.11	50.70	45.39	62.89	17.71	41.36	55.38	52.87	58.70	73.73	0.00	54.19	105
Hausjärvi	77.13	60.58	68.60	67.05	77.55	55.61	47.06	52.99	38.84	58.55	24.78	40.03	53.20	48.53	55.22	71.53	0.00	52.78	156
Heinola	51.58	74.11	66.56	65.30	70.54	51.76	47.49	51.54	54.66	56.95	39.38	37.14	60.97	73.95	59.00	65.19	0.00	54.48	96
Heinävesi	35.95	53.86	58.62	53.98	72.52	0.47	45.70	53.18	31.20	54.47	25.00	34.90	80.09	92.82	59.92	65.48	0.00	48.13	278
Helsinki	52.94	79.27	75.91	70.26	75.15	50.01	50.00	60.79	57.14	64.20	58.83	42.98	47.45	45.53	33.77	71.44	100.00	60.92	7
Hirvensalmi	48.84	64.18	54.42	56.94	70.64	0.96	44.31	61.97	38.50	51.86	19.73	31.44	81.29	84.16	59.87	67.36	0.00	49.20	262
Hollola	73.44	76.11	67.40	71.19	77.35	6.06	47.43	50.84	52.55	63.02	36.41	41.81	57.67	51.58	59.71	72.47	0.00	53.24	146
Honkajoki	49.64	44.89	51.15	55.71	38.68	50.25	35.45	66.56	59.25	67.12	21.37	34.51	66.72	45.53	51.55	76.47	0.00	47.93	282
Huittinen	59.05	75.76	56.20	68.64	75.93	51.43	46.92	65.72	60.55	64.42	24.35	35.11	47.64	51.67	58.46	69.27	0.00	53.60	128
Humppila	66.60	71.05	48.97	58.22	89.57	0.06	46.24	57.12	47.59	63.36	22.16	32.27	48.44	17.77	56.03	71.88	0.00	46.90	298
Hyrnsalmi	52.50	99.43	34.89	50.40	72.35	0.00	45.91	54.45	48.62	56.68	19.67	31.78	82.85	74.57	46.93	60.02	50.00	51.83	186
Hyvinkää	69.09	74.91	72.36	69.02	81.54	53.55	48.58	56.73	43.73	63.17	54.12	43.42	58.77	67.46	53.21	66.16	50.00	60.34	13
Hämeenkyrö	64.77	72.62	56.83	75.60	66.15	53.09	47.54	48.82	41.91	59.96	22.78	43.68	59.72	51.44	60.00	66.11	50.00	55.35	73
Hämeenlinna	60.83	78.12	62.02	70.49	79.80	50.00	47.83	54.06	53.05	62.44	47.02	41.67	61.98	61.49	61.01	67.81	0.00	56.45	55
Ili	53.60	64.52	48.81	67.76	61.52	27.18	61.00	46.57	38.27	68.49	23.07	44.76	69.59	55.76	46.04	58.06	50.00	52.06	180
Iisalmi	52.54	76.16	54.19	72.21	77.83	54.97	48.47	58.92	61.72	57.91	40.61	39.33	57.92	56.42	54.80	61.72	0.00	54.45	97
Iitti	56.06	69.75	58.72	54.47	68.41	50.00	45.91	60.31	39.95	59.70	32.79	34.12	53.62	48.49	59.48	70.58	0.00	50.73	222
Ikaalinen	56.33	68.38	46.84	60.24	68.21	50.00	45.75	52.90	57.03	60.70	23.43	36.17	54.16	63.11	58.29	56.57	0.00	50.48	229
Ilmajoki	72.91	75.70	72.65	80.13	62.29	26.43	52.66	53.78	39.43	66.67	19.93	38.33	50.10	33.88	51.81	77.94	0.00	51.45	195
Ilomantsi	50.13	88.37	52.31	65.28	76.07	50.62	47.09	53.79	56.07	58.53	22.53	35.96	70.58	72.69	50.38	66.49	50.00	56.88	48
Imatra	53.90	78.46	57.11	70.83	75.71	52.31	48.24	52.53	39.53	58.96	46.99	38.41	56.13	78.94	49.86	65.44	0.00	54.31	102
Inari	64.92	96.00	59.11	59.09	80.32	50.00	40.73	60.08	45.20	66.45	35.29	45.16	72.09	90.85	60.77	70.03	0.00	58.59	31
Inkoo	81.62	80.46	65.59	67.48	75.07	0.40	44.96	51.01	53.88	61.30	20.82	44.10	56.18	58.88	58.27	77.93	50.00	55.76	66

Isajoki	53.57	65.99	58.97	42.14	52.58	2.20	50.05	68.74	38.26	63.12	18.93	31.43	82.09	78.35	52.22	74.90	0.00	49.03	265
Isokyrö	62.72	74.53	64.47	67.32	56.91	57.54	45.94	61.72	40.01	64.58	14.98	36.54	54.07	25.00	51.33	78.46	0.00	50.36	233
Janakkala	67.56	75.67	59.36	71.28	78.16	51.42	47.30	51.89	46.13	60.05	24.59	40.39	53.59	49.24	59.66	70.63	0.00	53.35	139
Joensuu	35.71	82.55	65.07	81.70	75.87	52.73	48.68	55.98	55.88	60.80	54.36	42.34	71.50	70.11	53.21	63.17	100.00	62.92	3
Jokioinen	67.62	68.24	67.04	69.53	78.89	1.98	49.41	54.20	44.53	61.22	19.64	37.79	39.46	46.97	57.64	76.07	0.00	49.43	250
Jomala	92.23	82.11	75.70	72.61	85.42	0.98	47.62	77.94	77.67	80.71	18.08	47.07	59.34	50.28	51.84	68.98	0.00	58.15	35
Joroinen	61.59	76.17	62.18	65.82	78.98	2.41	37.53	53.72	33.12	57.44	21.46	34.64	67.66	62.60	57.02	64.64	0.00	49.24	258
Joutsa	40.31	83.67	51.61	52.55	70.06	50.00	44.92	55.04	45.20	58.68	23.08	37.82	72.89	73.63	60.60	68.09	0.00	52.24	174
Juuka	35.72	71.88	51.69	59.39	81.90	50.95	46.75	58.45	44.62	48.13	27.16	33.47	77.36	73.54	53.27	68.15	0.00	51.91	185
Juupajoki	57.68	56.62	46.37	66.18	68.60	2.21	46.58	61.40	42.74	45.39	35.61	35.34	71.55	69.58	58.13	72.86	0.00	49.23	259
Juva	58.65	83.09	69.11	68.51	83.84	50.63	46.04	61.79	40.83	64.14	23.34	34.64	77.00	77.62	57.80	63.50	0.00	56.50	54
Jyväskylä	47.08	77.11	68.18	78.69	83.23	50.00	48.85	54.15	53.52	61.02	55.28	42.56	66.15	64.11	56.06	66.30	100.00	63.08	2
Jämijärvi	64.73	74.82	47.83	68.39	78.30	0.56	62.81	56.47	62.08	60.75	19.09	33.43	52.69	53.82	53.91	78.14	0.00	51.05	209
Jämsä	59.31	76.33	65.51	69.38	59.26	51.67	47.23	54.05	33.83	53.67	36.87	35.89	64.50	66.70	59.46	63.11	0.00	52.75	158
Järvenpää	73.17	77.71	67.92	73.07	78.27	7.32	48.31	52.18	52.80	71.71	56.73	46.42	52.91	37.67	34.41	69.44	50.00	55.89	65
Kaarina	83.61	75.37	67.17	70.10	81.24	4.93	47.34	52.51	46.74	63.71	42.94	30.13	47.71	21.38	48.81	78.14	50.00	53.64	127
Kaavi	44.00	83.50	47.45	44.76	72.79	1.17	46.12	57.65	36.25	43.04	28.19	0.00	45.93	80.73	55.52	59.71	0.00	43.93	310
Kajaniemi	56.23	79.26	60.76	80.82	81.69	52.64	48.59	55.70	57.54	58.59	42.15	40.67	64.10	69.10	48.09	57.51	50.00	59.03	24
Kalajoki	69.45	77.41	53.83	69.44	65.24	4.17	65.94	62.61	42.82	61.08	23.19	40.95	73.73	55.61	49.76	73.60	0.00	52.28	168
Kangasala	80.07	77.01	67.99	75.90	71.06	52.68	47.14	50.54	50.56	66.84	39.16	44.94	62.90	58.32	61.33	73.16	50.00	60.57	9
Kangasniemi	55.14	78.29	49.15	59.51	73.48	50.44	45.33	54.43	41.89	62.53	21.48	34.55	77.58	83.10	58.30	69.87	0.00	53.83	117
Kankaanpää	55.84	82.43	63.49	72.59	71.49	51.15	50.93	59.24	65.75	61.61	31.02	36.19	60.65	53.75	53.31	73.82	0.00	55.49	72
Kannonkoski	41.54	74.41	30.76	52.46	85.82	1.55	45.97	43.59	61.58	63.11	22.91	42.56	82.45	78.55	52.45	76.03	0.00	50.34	234
Kannus	55.99	73.08	71.45	69.94	60.97	50.00	45.29	61.55	40.89	67.79	26.05	41.97	67.66	57.44	48.89	68.90	0.00	53.40	135
Karjoki	59.11	79.96	43.48	55.58	38.47	0.26	44.84	62.33	40.25	64.59	19.53	32.54	70.82	69.27	52.57	85.84	0.00	48.20	277
Karkkila	67.09	69.06	55.07	60.49	74.66	50.98	47.97	45.21	40.46	61.26	34.30	40.68	51.59	72.10	60.15	68.61	0.00	52.92	152
Karstula	60.00	73.80	44.98	67.19	75.20	50.27	47.29	55.05	67.69	60.26	20.36	35.01	74.45	58.00	52.67	73.16	0.00	53.85	116
Karvia	50.39	80.23	59.05	57.23	36.08	0.00	55.65	67.99	59.30	66.16	20.31	32.90	78.23	35.12	50.63	82.05	0.00	48.90	267
Kaskinen	73.52	99.43	39.49	61.87	59.08	0.46	42.16	54.30	44.85	57.03	21.54	32.95	45.28		35.68	88.06	0.00	47.23	292
Kauhajoki	50.65	69.06	51.78	73.97	64.52	51.07	48.83	55.17	40.35	57.25	19.49	37.04	63.59	54.71	49.29	69.64	0.00	50.38	232
Kauhava	62.01	75.72	48.73	74.46	62.07	50.01	47.23	66.71	36.75	65.42	20.17	37.36	55.23	18.93	48.97	76.35	0.00	49.77	242
Kauniainen	87.03	41.28	75.09	82.36	80.44	0.00	48.09	46.91	33.80	58.19	56.83	39.41	46.87	25.00	28.89	92.04	50.00	52.48	164
Kaustinen	71.45	74.32	70.21	69.88	59.67	51.02	46.32	54.31	40.88	72.29	18.72	41.22	69.62	38.01	49.61	77.56	0.00	53.24	145
Keitele	61.02	79.44	43.53	60.87	65.78	3.01	47.16	68.32	41.39	62.28	27.09	33.59	79.14	73.70	56.22	75.24	0.00	51.63	190
Kemi	32.10	79.53	59.54	64.89	69.65	25.00	50.63	48.48	46.70	45.10	45.88	40.08	57.31	60.27	34.59	62.79	0.00	48.39	274
Kemijärvi	58.03	74.75	58.71	56.13	72.73	50.00	46.12	45.83	33.37	50.35	24.39	33.41	71.11	76.92	41.91	71.09	0.00	50.87	216
Keminmaa	70.67	79.48	62.72	78.13	63.76	0.00	46.93	50.04	47.48	58.57	22.08	40.22	63.92	61.63	46.13	73.61	0.00	50.90	213
Kemiönsaari	61.26	76.76	52.62	66.30	49.13	0.31	45.48	61.38	68.89	65.41	20.76	36.11	61.04	70.08	52.38	76.83	0.00	50.87	217
Kempele	82.61	77.76	68.32	81.46	65.53	50.00	48.19	51.76	60.52	65.87	33.44	47.25	54.65		39.39	74.58	50.00	59.46	17
Kerava	66.17	82.68	71.49	65.77	79.56	5.54	49.34	56.49	56.56	66.11	49.24	48.04	55.69	45.53	36.37	68.83	50.00	56.08	61
Keuruu	49.40	82.68	60.80	68.63	74.91	50.96	47.31	49.11	37.07	58.13	28.43	33.70	66.24	71.74	54.32	72.01	0.00	53.26	144
Kihniö	45.94	95.33	58.51	70.74	57.30	2.83	46.26	54.99	35.11	69.17	22.11	35.13	78.96	63.66	53.82	83.07	0.00	51.35	199
Kinnula	16.34	95.46	51.07	55.72	43.62	2.47	46.32	51.76	34.00	57.01	24.64	36.41	83.83	58.19	50.67	91.19	0.00	46.98	296
Kirkkonummi	79.25	80.57	63.94	78.47	72.25	51.92	47.20	46.38	47.19	64.56	39.18	47.94	77.45	48.85	54.53	76.43	50.00	60.36	12
Kitee	49.51	72.34	51.76	63.26	88.44	50.02	46.63	57.81	32.87	55.23	24.42	34.35	69.00	76.28	57.96	65.37	50.00	55.60	70
Kittilä	70.54	74.37	66.67	65.28	57.73	50.00	45.29	59.97	55.91	67.07	22.95	44.78	84.38	81.12	45.39	55.50	0.00	55.70	68
Kiuruvesi	47.03	80.50	55.58	69.48	81.65	51.88	46.68	55.62	49.21	57.29	26.10	37.29	73.73	53.41	52.90	68.21	0.00	53.33	141
Kivijärvi	49.02	97.21	25.30	43.44	39.51	1.33	45.29	46.84	60.59	50.80	20.67	32.93	78.16	68.03	51.48	75.99	0.00	46.27	302
Kokemäki	53.13	66.53	58.33	66.50	67.38	50.00	47.21	53.22	66.45	59.16	19.19	32.71	52.87	47.64	55.36	67.90	0.00	50.80	219
Kokkola	65.70	75.89	65.80	76.39	61.78	51.70	48.46	52.16	40.69	65.42	45.30	43.98	64.19	32.26	49.22	69.17	0.00	53.42	133
Kolari	63.92	87.45	48.49	73.43	62.87	0.00	33.71	59.94	48.20	66.09	21.95	40.06	79.51	74.61	42.50	79.97	0.00	51.92	184
Konnevesi	54.81	73.48	46.00	55.56	67.91	5.69	46.90	42.37	64.83	57.99	22.60	37.15	82.49	83.34	51.81	72.13	0.00	50.88	215
Kontiolahti	74.75	81.41	64.77	76.27	74.93	53.84	47.23	50.37	41.00	64.26	18.17	44.50	71.33	69.18	53.79	69.73	0.00	56.21	59
Korsnäs	72.01	95.25	62.26	61.92	83.52	8.79	39.38	68.87	37.02	69.41	22.79	33.43	82.49	47.77	53.93	92.23	0.00	54.77	90
Koski Tl	51.59	49.52	51.03	55.58	53.76	4.95	44.73	72.96	31.75	57.87	22.30	33.28	45.93	17.77	57.79	75.41	0.00	42.72	311
Kotka	33.17	77.70	60.34	66.59	70.74	50.00	49.15	39.00	50.02	50.72	50.72	39.80	56.73	47.77	48.79	62.51	0.00	50.22	237
Kouvola	59.38	76.10	56.27	69.49	77.35	50.00	47.81	53.78	41.22	55.78	40.06	37.47	60.66	65.56	56.56	66.25	0.00	53.75	122
Kristiinankaupunki	69.58	94.00	43.44	59.59	80.16	1.44	67.93	63.01	67.45	65.18	22.55	33.95	70.20	54.69	54.05	81.92	0.00	54.65	94
Kruunupyy	81.69	71.59	56.53	77.32	62.66	0.00	46.08	64.50	34.42	70.22	20.52	38.55	71.18	42.60	51.62	72.99	0.00	50.73	221
Kuhmo	52.71	84.86	57.93	64.43	72.11	51.84	47.65	51.17	40.30	56.92	25.22	34.94	80.49	79.96	49.56	63.81	50.00	56.70	50
Kuhmainen	47.49	57.28	47.64	48.85	84.62	1.40	42.15	61.28	36.73	45.39	20.68	28.50	59.67	82.66	62.60	74.26	50.00	50.07	240

Kumlinge	50.24	77.43	71.44	54.16	63.13	0.69	45.99	64.65	23.41	88.08	14.32	43.90	60.36		37.00	79.01	0.00	48.36	275
Kuopio	52.33	76.91	70.65	79.65	74.09	52.46	48.81	57.01	57.87	62.86	48.33	43.41	67.98	76.18	56.20	62.96	100.00	63.98	1
Kuortane	68.00	75.51	52.09	70.87	54.76	1.58	46.86	65.53	45.25	63.96	18.91	31.22	69.44	50.14	50.78	80.57	0.00	49.73	243
Kurikka	60.80	70.79	49.00	72.80	63.26	28.87	47.66	57.05	41.15	61.91	22.06	37.08	62.25	38.27	51.32	72.96	0.00	49.25	257
Kustavi	52.35	96.64	49.57	52.35	51.25	33.26	37.21	61.00	81.03	57.88	19.38	38.24	49.93		54.55	85.97	0.00	51.29	202
Kuusamo	57.84	69.20	58.82	74.94	75.94	34.29	43.46	61.70	36.77	59.07	41.35	39.70	76.20	80.30	43.69	71.60	0.00	54.40	98
Kyyjärvi	68.21	71.93	42.94	48.44	55.64	0.82	47.18	45.40	64.57	58.26	19.42	42.74	80.70	48.18	50.65	78.27	0.00	48.43	272
Kärkölä	59.76	77.18	67.30	66.56	59.62	51.24	46.81	59.37	29.39	62.21	19.60	39.16	45.77	47.77	56.69	72.54	0.00	50.65	225
Kärsämäki	44.73	89.80	55.36	54.53	62.20	0.00	46.61	57.11	55.33	56.10	24.66	40.18	84.05	54.13	49.21	60.22	0.00	49.07	264
Kökar	29.02	87.76	40.93	41.26	70.23	0.00	43.89	48.56	47.95	68.44	13.07	96.49	34.30	50.00	21.18	78.00	0.00	45.36	307
Lahti	48.09	78.20	54.49	71.49	81.58	50.00	48.98	43.57	61.75	59.64	51.12	41.54	60.45	48.62	52.74	64.37	100.00	59.80	16
Laihia	76.83	74.91	67.06	74.63	65.12	50.60	47.38	51.18	41.28	62.97	19.78	39.71	65.33	43.55	56.34	75.49	0.00	53.66	126
Laitila	67.79	69.19	69.70	66.41	65.92	52.95	47.36	66.81	58.76	76.44	25.17	37.30	54.18	62.30	56.25	60.51	50.00	58.06	37
Lapinjärvi	62.47	66.31	62.05	47.28	66.72	1.90	43.86	60.12	57.56	63.88	18.67	36.36	53.85	40.76	59.23	68.64	0.00	47.63	289
Lapinlahti	48.57	80.10	67.76	69.22	63.70	50.39	46.89	55.54	47.32	56.24	24.48	38.37	70.20	58.59	56.65	64.34	0.00	52.84	155
Lappajärvi	62.43	68.67	55.19	68.33	72.00	13.78	46.31	61.01	43.10	65.13	19.20	36.27	65.92	43.53	49.80	83.66	0.00	50.26	235
Lappeenranta	52.35	81.85	61.93	75.49	72.42	50.00	49.35	52.77	42.10	62.66	46.49	41.47	62.80	59.96	54.31	65.35	100.00	60.67	8
Lapua	70.03	76.72	70.71	71.67	61.11	51.68	49.87	56.49	36.56	63.78	23.69	40.46	54.50	47.04	50.62	78.03	0.00	53.11	149
Laukaa	67.94	75.13	54.92	79.61	66.58	50.60	47.61	46.97	38.03	61.36	24.38	42.93	62.21	64.11	54.89	71.21	0.00	53.44	131
Lemi	72.33	69.64	67.18	75.48	59.03	3.12	46.80	53.57	37.18	62.41	19.66	37.07	68.46	63.68	57.54	77.77	0.00	51.23	203
Lemland	86.95	85.26	70.76	69.82	87.51	4.68	56.85	63.99	57.37	78.68	13.51	46.71	65.15		53.27	71.88	0.00	57.02	47
Lempäälä	77.39	73.40	57.99	79.12	80.25	8.35	47.84	48.21	48.56	65.05	31.09	45.67	52.87	47.98	60.84	75.52	50.00	55.89	64
Leppävirta	57.99	78.17	51.83	76.22	73.26	52.55	48.11	60.68	33.05	63.91	24.92	36.91	69.77	78.38	61.17	62.80	0.00	54.69	92
Lestijärvi	51.05	95.56	39.11	58.19	76.58	2.83	44.76	64.47	31.41	49.02	23.89	39.46	77.58	83.90	50.53	86.04	0.00	51.43	196
Lieksa	29.93	78.12	57.42	65.62	76.38	50.78	47.31	56.35	45.38	47.86	30.98	33.08	71.69	75.35	52.78	65.22	50.00	54.96	86
Lieto	85.88	76.16	66.12	79.23	77.60	9.15	47.40	55.17	46.89	66.52	25.35	43.03	53.33	21.38	53.77	77.71	50.00	54.98	84
Liminka	70.41	74.86	51.49	84.32	64.19	50.00	47.52	53.84	34.84	70.11	28.22	51.19	67.08	37.51	43.69	72.52	50.00	55.99	63
Liperi	57.82	84.89	65.12	78.82	83.62	3.53	45.94	52.63	36.31	60.19	18.72	41.95	65.33	65.42	57.64	66.31	50.00	54.95	87
Lohja	71.21	65.59	59.62	64.40	84.55	27.39	46.97	52.46	57.07	62.23	43.01	41.97	47.78	63.25	59.00	67.01	50.00	56.68	51
Loimaa	59.08	77.66	55.79	66.86	70.29	53.22	46.54	64.20	49.96	62.65	29.69	37.22	34.78	17.77	56.25	64.39	50.00	52.73	159
Loppi	71.85	66.65	62.93	70.77	76.36	50.76	45.63	57.11	42.09	65.07	22.58	40.23	62.39	68.60	60.38	76.29	0.00	55.28	74
Loviisa	59.97	80.68	58.09	56.88	58.56	10.62	45.73	57.12	66.46	59.79	29.94	39.87	48.28	52.64	58.10	71.56	0.00	50.25	236
Luhanka	55.63	96.98	41.87	46.37	68.78	0.38	71.00	62.39	58.67	41.88	19.71	30.89	88.52	46.38	59.87	84.53	0.00	51.40	197
Lumijoki	60.20	64.09	49.20	53.20	47.98	0.00	47.75	56.06	31.58	65.34	26.04	47.17	66.35	17.77	46.38	74.46	50.00	47.27	291
Lumpari	100.00	97.39	76.31	60.06	60.24	2.41	48.42	56.27	60.02	93.08	9.51	61.63	63.81		49.64	78.51	0.00	57.33	42
Luoto	88.61	82.41	39.41	81.93	74.59	54.12	48.59	59.46	52.43	80.15	23.84	49.95	74.27	42.41	51.42	97.06	0.00	58.86	26
Luumäki	70.86	76.96	59.05	69.94	81.28	52.19	45.20	62.64	40.10	54.57	21.79	35.50	67.44	59.53	57.17	62.20	0.00	53.91	113
Maalahti	72.92	92.15	61.02	62.23	76.53	53.62	42.51	57.32	45.63	70.05	19.67	37.92	70.20	14.10	52.61	88.23	0.00	53.92	112
Maarianhamina	70.45	92.00	68.53	63.02	69.45	52.47	49.09	81.53	45.50	65.23	30.19	36.22	7.81		20.35	62.63	50.00	54.03	110
Marttila	61.96	89.28	70.28	58.74	75.28	20.75	43.31	62.03	62.40	58.91	17.98	27.03	46.88	17.77	55.04	71.37	0.00	49.35	253
Masku	93.51	79.45	63.30	85.42	73.39	50.00	46.56	48.94	52.54	71.54	19.90	43.12	57.54	41.98	54.37	77.60	50.00	59.36	18
Merijärvi	29.97	64.84	48.90	59.13	52.94	6.20	61.84	61.63	30.94	66.52	26.03	41.10	83.68	45.36	51.27	80.70	0.00	47.71	285
Merikarvia	46.66	78.36	45.96	54.51	61.34	1.37	46.02	61.85	32.98	57.87	23.93	37.19	75.25	57.37	56.75	77.16	0.00	47.92	283
Miehikkälä	43.99	74.72	34.94	53.70	78.59	24.16	45.83	58.18	28.09	58.42	18.51	34.32	71.95	50.33	57.20	73.52	0.00	47.44	290
Mikkeli	61.07	82.09	68.77	74.66	77.59	59.20	47.86	55.19	47.81	59.20	41.43	40.21	69.31	78.99	58.44	64.37	0.00	58.01	38
Muhos	57.59	68.82	57.70	77.42	67.67	25.00	46.92	47.91	34.95	58.35	26.22	45.07	62.97	65.07	43.68	71.28	50.00	53.33	140
Multia	36.30	84.01	33.71	60.37	75.02	0.30	46.85	66.28	62.15	46.08	20.87	31.65	88.88	70.21	52.64	68.73	0.00	49.65	246
Muonio	59.48	80.72	50.58	41.97	57.01	0.11	43.63	58.65	33.76	46.01	46.79	41.11	83.21	86.21	40.97	61.93	0.00	48.95	266
Mustasaari	89.26	77.53	49.18	80.91	74.08	4.50	47.04	51.77	41.89	71.65	22.90	42.81	64.35	43.43	55.95	86.45	0.00	53.16	148
Muurame	87.13	74.83	62.45	80.02	88.97	52.31	47.60	52.35	43.23	63.27	27.02	44.96	64.14	78.38	60.23	75.56	0.00	58.97	25
Myrämäki	75.36	77.74	63.58	67.69	75.42	100.00	45.98	55.99	47.55	66.82	18.88	38.77	59.90	47.77	57.57	54.50	50.00	59.03	23
Myrskylä	68.19	71.72	46.58	62.46	60.43	0.49	45.76	55.36	51.50	67.87	19.86	37.59	56.00	31.18	54.38	69.29	0.00	46.98	297
Mäntsälä	80.17	70.66	59.03	68.68	76.11	50.00	47.35	54.70	51.76	67.72	26.54	44.68	52.67	42.98	57.65	61.58	50.00	56.61	52
Mänttä-Vilppula	54.70	80.73	65.08	66.25	67.66	50.26	47.77	52.46	48.88	55.41	28.74	34.79	61.77	82.58	57.59	66.38	0.00	54.18	106
Mäntyharju	55.06	58.35	55.12	69.12	70.34	50.39	44.93	56.99	34.53	60.64	24.83	35.14	74.64	90.64	57.95	67.15	0.00	53.28	143
Naantali	77.59	83.36	67.35	75.75	67.40	3.60	47.40	56.37	64.97	62.00	42.17	42.79	61.56	0.00	54.31	79.37	50.00	55.06	80
Nakkila	57.12	86.87	57.25	71.33	77.81	1.04	47.46	56.30	48.59	62.47	19.81	36.42	45.09	30.48	56.34	75.60	0.00	48.82	269
Nivala	55.87	71.01	54.20	77.32	63.75	50.00	47.54	53.24	42.66	64.98	21.61	41.98	61.88	29.99	52.02	72.97	0.00	50.65	224
Nokia	72.86	71.04	66.67	75.44	66.59	50.00	48.24	50.91	46.85	63.88	40.51	44.70	51.09	60.19	57.59	70.99	50.00	58.09	36
Nousiainen	85.37	80.42	68.72	73.19	67.09	0.00	46.95	53.74	48.02	72.26	17.58	35.43	59.88	43.39	55.17	77.62	50.00	54.99	83
Nurmes	47.93	72.13	48.66	66.23	72.20	51.06	47.97	58.92	50.24	59.94	28.93	34.09	70.53	74.18	52.22	62.22	50.00	55.73	67

Nurmijärvi	84.94	68.42	70.83	71.98	73.96	54.84	47.14	50.69	45.71	68.77	33.52	45.25	54.27	56.44	50.57	72.70	50.00	58.82	27
Närpiö	73.04	89.56	57.20	61.65	71.28	50.00	2.85	72.86	45.23	71.43	23.37	38.82	67.30	33.83	53.29	80.92	0.00	52.51	163
Orimattila	59.33	71.63	62.51	64.21	69.80	50.00	46.50	54.64	49.08	56.67	25.67	38.58	48.67	36.46	53.14	66.25	0.00	50.18	238
Oripää	55.16	93.70	49.85	44.29	64.96	8.84	36.47	64.46	52.29	63.23	21.34	39.06	45.13	24.54	54.56	79.00	0.00	46.87	299
Orivesi	53.55	73.89	56.97	65.11	80.65	51.42	46.43	52.91	44.61	62.93	25.59	37.75	60.61	64.31	59.94	72.00	50.00	56.39	56
Oulainen	59.21	63.95	58.70	70.73	70.83	50.99	47.67	54.98	28.35	63.49	25.16	39.22	67.66	47.16	49.82	72.08	0.00	51.18	205
Oulu	55.51	80.23	62.80	80.43	75.20	3.93	48.89	51.01	61.33	57.77	65.22	45.99	70.91	56.05	43.99	67.67	100.00	60.41	11
Outokumpu	33.30	63.46	52.81	64.49	74.15	51.14	48.07	56.26	29.85	52.36	31.32	37.37	66.46	55.61	56.05	64.91	50.00	52.21	175
Padasjoki	60.39	70.91	39.63	48.72	75.54	0.86	43.77	56.67	36.94	51.15	23.22	35.93	59.11	61.27	64.83	77.62	50.00	50.38	231
Paimio	74.83	75.24	71.67	75.88	88.92	50.00	47.79	49.43	39.87	66.86	26.05	42.40	53.14	17.77	52.51	75.31	50.00	56.33	57
Paltamo	50.26	84.05	58.28	53.73	60.42	4.18	46.24	51.38	31.20	51.18	23.29	36.11	80.70	74.39	48.62	62.36	50.00	50.96	211
Parainen	79.76	72.97	57.20	79.05	69.32	3.94	45.55	58.20	54.31	62.88	37.34	41.95	61.77		55.61	73.95	0.00	53.36	137
Parikkala	57.14	82.30	51.37	59.05	75.67	29.78	46.52	62.36	40.49	53.14	23.49	30.15	71.58	68.03	58.71	70.92	50.00	54.75	91
Parkano	50.54	65.10	52.47	62.90	58.31	52.06	47.78	58.20	59.11	62.87	21.24	36.49	68.42	67.71	53.15	43.82	0.00	50.60	227
Pedersören kunta	89.03	82.56	60.30	74.32	72.85	50.00	47.75	68.40	33.04	73.97	18.59	44.53	75.87	34.84	52.75	93.11	0.00	57.17	46
Pelkosenniemi	40.85	99.61	50.58	63.67	72.04	50.00	34.64	54.50	58.50	60.75	22.31	36.78	78.34	75.51	41.17	74.71	0.00	53.76	119
Pello	65.84	74.56	56.61	59.13	78.84	0.00	45.81	61.44	53.44	62.50	23.70	34.03	80.31	73.49	42.41	81.24	0.00	52.55	162
Perho	45.01	71.90	58.13	52.64	72.68	0.53	58.48	60.95	43.60	66.05	25.01	45.01	79.72	61.74	49.20	78.88	0.00	51.15	206
Pertunmaa	45.51	84.71	41.14	30.78	62.76	0.00	43.74	60.50	38.23	53.66	19.37	33.73	83.83	85.20	58.04	69.06	0.00	47.66	288
Petäjävesi	60.85	89.89	53.98	73.01	62.55	3.72	47.25	52.16	64.82	57.78	21.60	45.40	80.12	63.27	55.87	75.21	0.00	53.38	136
Pieksämäki	51.91	76.63	59.75	71.53	74.77	50.00	47.80	55.89	29.47	59.50	39.38	35.77	63.52	75.79	55.36	59.05	0.00	53.30	142
Pielavesi	46.65	73.02	46.44	62.62	85.69	50.88	46.95	59.92	33.54	62.90	23.07	33.12	84.23	78.01	54.72	74.46	0.00	53.90	114
Pietarsaari	60.50	80.81	43.77	63.16	61.55	53.32	48.69	66.58	58.54	61.02	44.64	42.96	47.78	29.43	43.56	73.37	0.00	51.75	187
Pihtipudas	45.05	63.64	47.17	65.36	46.24	50.00	46.78	56.20	64.34	56.76	23.12	33.13	79.72	70.21	52.90	71.91	0.00	51.33	201
Pirkkala	82.23	80.08	75.73	78.21	81.01	2.38	48.35	51.83	55.87	62.30	42.59	48.46	59.91	53.45	53.42	81.14	50.00	59.23	20
Polvijärvi	35.55	70.87	61.06	69.09	46.48	1.52	46.47	60.00	36.56	58.82	20.83	36.94	81.50	66.66	53.52	72.00	0.00	48.11	279
Pomarkku	50.49	79.90	52.96	59.12	56.34	0.07	46.81	57.74	68.95	54.72	22.51	37.28	70.17	45.09	60.39	73.32	0.00	49.17	263
Pori	57.65	81.90	57.93	71.75	81.00	51.27	49.46	53.18	60.24	57.43	43.81	39.36	47.57	51.07	56.96	67.85	100.00	60.50	10
Pornainen	80.79	60.09	62.13	69.91	77.33	50.37	46.30	50.31	45.76	66.74	18.71	44.80	67.87	39.63	57.99	76.17	50.00	56.76	49
Porvoo	71.06	75.93	70.05	69.82	68.03	54.96	47.89	57.29	46.85	61.85	41.08	44.01	48.18	49.89	56.07	72.67	50.00	57.98	40
Posio	44.52	99.17	53.38	62.96	84.62	0.00	53.21	44.68	33.00	58.38	24.94	36.39	85.17	75.76	42.56	66.34	0.00	50.89	214
Pudasjärvi	43.28	65.69	36.71	69.94	82.84	50.16	45.94	55.51	66.03	62.48	26.06	40.18	82.85	75.23	45.25	64.80	0.00	53.70	123
Pukkila	70.78	47.26	64.86	64.52	54.83	0.00	45.14	54.15	38.97	60.06	22.89	39.62	51.16	33.75	54.00	71.18	0.00	45.48	306
Punkalaidun	49.38	75.19	59.24	52.68	86.11	1.45	45.24	66.72	50.21	52.51	19.69	32.67	36.97	21.38	57.73	81.91	0.00	46.42	301
Puolanka	54.94	76.41	57.98	57.22	94.08	1.40	45.61	54.22	41.16	50.43	25.15	36.27	81.69	77.84	45.65	67.13	50.00	53.95	111
Puumala	67.42	82.30	42.65	60.34	75.30	0.00	40.15	63.18	38.09	59.36	21.63	28.82	81.47	93.38	57.25	74.25	0.00	52.09	179
Pyhtää	74.69	79.44	77.99	62.70	68.31	50.18	45.71	45.19	43.34	54.56	17.96	35.39	60.83	46.57	56.44	71.32	0.00	52.39	166
Pyhäjoki	76.03	82.94	52.71	76.82	48.18	0.00	63.84	54.14	35.93	69.70	22.68	39.75	79.94	51.44	50.14	79.87	0.00	52.01	182
Pyhäjärvi	54.61	73.90	51.15	75.00	75.04	25.00	47.11	56.60	57.21	62.91	24.30	38.51	80.31	65.85	51.16	64.10	50.00	56.04	62
Pyhäntä	79.21	80.17	54.98	63.90	59.50	50.89	47.29	70.45	22.33	67.95	25.69	42.51	77.76	50.07	47.26	79.80	0.00	54.11	109
Pyhäranta	83.56	79.74	66.13	68.02	75.14	11.85	46.10	56.91	35.46	75.90	15.01	35.65	70.02	56.05	55.97	72.50	0.00	53.18	147
Pälkäne	66.02	78.16	63.30	59.68	62.94	51.05	44.75	60.43	46.06	61.56	21.03	37.61	60.43	64.65	65.98	70.40	0.00	53.77	118
Pöytyä	66.56	86.28	69.87	60.00	65.91	0.94	45.24	62.96	44.37	64.49	20.30	38.63	63.99	51.40	58.24	73.92	0.00	51.36	198
Raabe	55.18	71.94	59.23	74.69	45.58	50.00	57.38	49.17	33.12	57.79	40.00	41.47	62.97	44.49	47.59	66.55	50.00	53.36	138
Raasepori	58.17	71.76	41.09	60.65	78.08	50.88	47.04	51.89	54.62	60.47	31.86	40.51	50.47	57.17	58.24	71.66	50.00	54.97	85
Raisio	65.42	85.00	72.28	77.70	80.62	5.08	49.09	57.62	60.86	62.27	40.73	42.89	47.45	17.77	38.71	67.15	0.00	51.21	204
Rantasalmi	52.57	96.88	67.94	66.86	69.23	2.11	45.32	51.77	42.46	54.37	21.33	34.43	73.91	74.23	58.21	66.56	0.00	51.66	188
Ranua	37.75	49.90	61.40	58.32	71.98	50.00	46.31	60.75	61.54	68.04	21.34	42.06	83.43	75.10	43.38	67.33	0.00	52.86	154
Rauma	66.57	81.36	62.81	68.33	62.20	53.49	48.46	61.61	60.99	72.32	41.97	34.57	58.66	57.57	53.04	65.02	50.00	58.76	28
Rautalampi	37.76	83.41	50.75	60.24	74.25	11.53	46.21	59.42	42.81	57.70	24.98	35.88	65.88	66.66	55.53	66.77	0.00	49.40	251
Rautavaara	32.95	80.51	25.26	43.52	93.05	3.66	47.05	41.22	60.63	48.85	23.41	34.34	77.94	74.56	51.03	63.02	0.00	47.12	294
Rautjärvi	56.08	63.18	56.52	64.50	62.57	1.12	47.41	51.42	29.27	43.71	22.07	33.33	62.03	75.44	52.40	72.30	50.00	49.61	247
Reisjärvi	59.44	73.67	57.34	49.10	56.23	0.82	46.67	45.71	35.17	56.91	21.45	40.39	77.62	50.81	51.73	73.74	0.00	46.87	300
Riihimäki	61.49	70.38	60.88	72.76	80.58	53.19	47.94	50.48	59.62	64.34	48.16	44.14	53.25	71.12	51.25	65.40	100.00	62.06	4
Ristijärvi	68.14	98.58	41.51	57.80	76.77	0.00	46.28	51.84	47.59	49.89	23.23	34.05	93.79	74.73	47.57	65.35	50.00	54.54	95
Rovaniemi	56.81	80.15	69.50	81.22	68.74	50.00	47.43	55.36	56.10	65.62	45.87	43.25	69.43	77.16	42.12	64.28	0.00	57.24	44
Ruokolahti	70.94	86.50	66.52	72.88	55.19	52.27	45.65	52.72	34.66	67.05	19.65	37.41	71.91	81.52	56.46	76.03	50.00	58.67	30
Ruovesi	61.87	56.61	56.57	69.32	91.74	50.45	45.34	64.64	38.93	63.37	25.86	33.48	69.19	71.88	59.37	78.36	0.00	55.12	78
Rusko	97.40	77.33	71.20	85.37	82.04	1.01	47.24	57.51	48.10	75.89	20.21	43.07	60.31	17.77	56.84	81.25	50.00	57.21	45
Rääkkylä	39.34	97.86	53.99	58.02	80.22	0.00	45.22	55.82	55.30	56.02	20.85	31.50	77.62	65.10	58.42	70.35	0.00	50.92	212
Saarijärvi	41.80	67.06	50.17	69.29	82.29	50.87	47.24	49.44	33.87	56.20	22.86	36.99	70.75	66.37	53.76	68.99	0.00	51.06	208

Salla	62.30	74.47	37.86	61.00	73.86	50.00	45.37	48.84	31.78	50.21	23.80	27.93	81.47	82.17	42.37	69.95	0.00	50.79	220
Salo	58.38	71.49	58.15	65.21	85.87	51.99	47.50	54.15	58.55	56.31	31.85	37.99	47.99	46.11	57.94	69.80	0.00	52.90	153
Saltvik	79.39	52.45	66.35	46.87	81.22	9.06	46.48	66.99	61.89	80.16	9.14	42.49	50.00	72.90	44.78	66.84	0.00	51.59	192
Sastamala	59.02	78.52	54.95	71.94	68.88	52.28	47.30	60.34	49.22	64.29	26.07	36.72	55.74	53.61	60.15	71.06	0.00	53.54	129
Sauvo	80.75	72.23	70.08	63.31	37.67	0.00	45.28	55.50	40.28	61.29	20.37	38.11	50.26	17.77	53.21	82.01	50.00	49.30	256
Savitaipale	68.04	83.05	54.64	69.01	63.11	17.86	46.04	60.48	58.73	67.24	22.75	31.69	76.24	82.36	57.24	78.72	0.00	55.13	77
Savonlinna	52.01	82.36	62.23	73.51	72.53	51.86	47.25	51.81	58.57	53.92	38.54	37.63	65.08	88.40	58.92	66.08	0.00	56.51	53
Savukoski	50.13	99.38	56.14	57.29	66.25	0.38	45.44	50.70	44.75	55.14	24.88	28.92	97.09	81.10	41.95	89.19	0.00	52.28	170
Seinäjoki	62.52	74.68	67.25	80.45	75.79	50.00	48.49	56.88	40.95	67.16	41.67	42.71	56.80	40.49	49.46	69.29	0.00	54.39	99
Sievi	41.40	75.19	48.86	74.30	62.81	0.00	47.59	62.50	25.39	60.00	22.71	43.00	74.49	53.72	48.53	76.77	0.00	48.07	280
Silkainen	27.52	94.91	41.11	53.95	58.74	0.56	68.47	57.74	51.22	65.07	18.82	32.71	87.35	48.74	56.40	74.97	0.00	49.31	255
Silkajoki	54.70	77.21	53.44	69.62	56.39	0.01	52.03	55.93	35.01	62.08	22.48	38.54	74.13	52.78	47.16	74.80	0.00	48.61	271
Siikalatva	52.15	58.62	61.37	66.35	48.79	0.00	46.48	62.40	47.84	62.28	23.11	36.88	77.40	43.14	46.62	65.53	0.00	47.00	295
Sillinjärvi	79.29	80.32	74.10	76.52	77.80	53.73	47.92	54.46	55.66	64.12	33.00	43.23	50.15	63.52	53.21	66.18	0.00	57.25	43
Simo	67.36	79.04	34.82	75.06	81.18	0.00	95.93	47.98	32.69	59.66	18.48	36.75	74.45	78.50	48.93	78.07	0.00	53.47	130
Sipoo	88.06	75.45	68.02	70.71	89.23	51.81	45.51	52.73	44.06	67.28	25.76	46.87	55.90	23.70	58.89	80.08	50.00	58.47	32
Siuntio	83.54	65.82	67.25	58.99	69.37	54.00	45.85	47.01	35.37	68.82	21.48	43.29	51.53	46.20	57.45	67.31	50.00	54.90	89
Sodankylä	66.13	83.16	67.69	58.56	66.38	50.00	48.68	57.74	67.49	60.32	24.68	39.60	75.22	66.30	41.91	69.44	0.00	55.49	71
Soini	51.88	59.86	56.08	69.08	70.79	1.94	46.68	54.05	45.70	56.90	22.12	36.19	78.38	66.39	50.82	76.05	0.00	49.58	248
Somero	63.38	76.82	54.71	54.41	69.90	50.29	46.08	62.01	47.67	65.51	23.39	34.83	43.80	45.86	59.66	74.26	0.00	51.33	200
Sonkajärvi	52.64	95.04	57.72	68.87	84.13	2.01	46.47	55.53	50.10	58.58	23.05	35.63	86.37	72.38	50.83	68.53	0.00	53.40	134
Sotkamo	64.97	78.39	59.12	78.43	67.44	51.31	46.31	57.85	61.15	65.08	26.36	38.75	77.76	73.11	50.68	59.71	50.00	59.20	22
Sottunga	51.22	70.93	54.24	51.61	60.09	0.00	50.14	64.12	36.87	55.80	13.97	40.75	44.62		39.11	81.20	0.00	44.67	309
Sulkava	47.60	67.49	54.53	64.28	82.67	0.00	43.86	60.17	43.75	56.93	20.51	32.54	78.20	86.48	54.19	75.30	0.00	51.09	207
Sund	81.10	89.00	73.96	54.27	76.11	0.32	45.57	61.69	67.61	79.31	0.00	41.23	62.06	53.93	47.79	78.62	0.00	53.68	125
Suomussalmi	51.72	75.01	56.72	68.86	87.69	50.15	60.84	54.24	48.95	62.43	21.99	35.85	74.92	78.31	44.89	63.15	50.00	57.98	39
Suonenjoki	55.10	76.63	52.36	71.20	83.76	50.00	47.67	56.47	36.66	62.62	36.14	36.46	64.60	80.66	55.11	50.77	0.00	53.89	115
Sysmä	49.29	65.29	65.76	54.39	78.52	51.85	43.81	68.13	35.33	59.09	26.39	32.65	71.95	72.76	62.36	75.07	0.00	53.69	124
Säkylä	71.35	83.72	72.37	60.21	61.59	52.19	45.26	64.52	31.48	65.42	17.10	33.48	48.18	53.87	54.32	72.32	0.00	52.20	176
Taipalsaari	76.51	74.06	78.96	74.19	85.95	0.72	45.66	44.99	59.53	59.78	21.32	39.69	68.82	88.33	56.76	80.65	0.00	56.23	58
Taivalkoski	46.06	65.49	55.87	68.73	51.94	0.29	46.69	61.80	67.91	58.39	22.66	37.27	84.59	74.93	43.67	70.73	0.00	50.41	230
Taivassalo	73.98	93.52	50.31	53.58	62.61	0.00	43.90	51.59	58.56	67.77	20.14	34.93	51.34		53.81	75.55	0.00	49.47	249
Tammela	71.37	88.34	61.97	74.32	81.77	2.23	45.37	58.76	48.16	64.40	19.87	38.88	67.26	60.98	60.00	80.21	0.00	54.35	100
Tampere	42.07	82.87	65.77	76.35	74.74	53.35	49.34	56.53	58.64	61.90	56.26	43.53	39.09	65.95	56.41	69.61	100.00	61.91	5
Tervo	60.85	97.29	45.76	64.09	94.92	18.83	44.16	58.82	40.14	66.74	21.75	33.54	77.98	85.41	55.61	73.73	0.00	55.27	75
Tervola	60.68	63.75	59.17	64.22	67.22	0.00	57.61	58.44	36.73	65.25	21.97	36.34	75.25	71.56	45.56	60.46	0.00	49.66	245
Teuva	58.13	79.00	40.42	73.44	68.54	50.10	45.50	54.84	37.03	58.19	20.72	30.88	62.03	45.09	53.11	81.24	0.00	50.49	228
Tohmajärvi	47.20	91.67	50.79	68.65	55.48	1.96	46.23	55.79	26.75	51.76	20.25	34.82	69.99	68.61	56.18	64.39	50.00	50.62	226
Toholampi	54.97	56.31	56.62	59.45	68.87	50.03	46.40	57.49	43.56	65.71	21.95	38.27	74.49	73.62	48.95	78.63	0.00	52.67	161
Toivakka	68.71	85.35	66.71	69.48	69.19	16.09	46.48	52.51	62.24	60.97	21.44	40.66	79.54	61.83	57.65	76.66	0.00	55.03	81
Tornio	55.40	78.17	56.72	77.13	57.34	0.00	51.57	53.95	46.95	58.37	33.82	41.01	58.87	70.47	43.24	67.23	0.00	50.01	241
Turku	40.97	83.36	72.52	74.09	79.49	55.68	49.33	55.76	52.97	63.75	60.52	42.50	49.65	30.18	45.40	69.63	100.00	60.34	14
Tuusniemi	39.74	60.11	37.44	67.14	75.03	10.47	45.43	56.22	32.32	57.07	21.03	34.51	77.00	75.78	59.41	62.17	0.00	47.70	286
Tuusula	86.41	74.44	64.98	72.52	89.56	52.19	47.67	55.94	48.35	66.76	33.17	45.15	56.45	39.30	51.08	73.14	50.00	59.24	19
Tyrnävä	57.39	68.30	63.80	74.72	69.54	50.00	47.01	50.51	35.42	60.95	23.84	47.56	64.39	52.30	44.36	73.28	50.00	54.90	88
Ulvila	71.85	74.53	65.38	70.55	65.42	2.60	47.67	52.88	52.10	60.92	26.83	39.10	54.58	68.40	58.73	74.84	0.00	52.14	177
Urijala	43.34	81.81	62.12	50.88	66.47	51.30	45.32	53.80	38.88	56.09	19.80	32.56	55.01	38.90	60.27	65.61	0.00	48.36	276
Utajärvi	59.86	64.60	45.41	68.86	73.10	8.48	45.13	59.32	54.79	54.82	23.00	40.83	83.83	58.60	47.10	70.65	50.00	53.43	132
Utsjoki	60.95	69.23	67.40	48.80	65.70	1.74	42.70	56.46	63.00	59.88	24.34	43.64	44.99	98.71	63.52	79.77	0.00	52.40	165
Uurainen	54.93	63.49	58.47	67.54	51.56	2.01	47.28	49.47	50.66	70.79	19.87	45.22	79.54	73.76	53.94	79.11	0.00	51.04	210
Uusikaarlepyy	81.54	80.01	47.82	63.60	61.03	0.00	46.68	66.00	65.52	67.90	23.08	40.67	62.79	4.41	52.86	75.56	0.00	49.38	252
Uusikaupunki	70.34	80.27	67.70	71.11	58.69	53.82	48.09	63.85	57.80	77.43	30.73	38.79	57.07	61.37	55.24	64.16	50.00	59.20	21
Vaala	39.82	69.80	57.36	65.83	70.94	0.00	44.54	52.10	40.15	53.51	23.79	34.21	78.38	69.89	45.40	68.23	0.00	47.88	284
Vaasa	54.92	82.92	66.41	76.27	78.47	52.62	49.87	59.13	40.47	62.73	45.79	41.62	58.80	43.59	51.79	70.77	100.00	60.95	6
Valkeakoski	66.73	69.82	65.46	70.93	67.43	53.69	48.19	52.35	47.77	54.21	40.97	39.84	37.06	41.96	60.90	67.54	0.00	52.05	181
Valtimo	54.31	90.37	32.09	48.01	66.77	7.16	46.49	57.20	58.05	65.30	21.37	31.15	78.16	69.56	51.97	69.19	50.00	52.77	157
Vantaa	57.48	70.11	61.42	63.92	80.78	0.04	49.25	51.64	48.26	69.38	58.95	46.51	53.76	35.27	42.63	64.47	100.00	56.11	60
Varkaus	42.68	81.97	56.23	70.00	61.78	50.00	48.66	54.14	44.48	54.99	45.91	36.78	63.21	91.75	60.39	58.95	0.00	54.23	103
Vehmaa	67.06	92.98	53.21	59.27	63.45	2.74	44.59	59.94	46.86	77.33	19.42	29.56	56.21	70.83	54.02	79.80	0.00	51.60	191
Vesanto	56.87	96.64	41.89	53.19	72.17	0.50	46.15	58.86	44.71	52.64	22.54	29.04	79.94	77.60	55.49	72.88	0.00	50.65	223
Vesilahti	76.31	69.68	71.15	73.29	75.69	2.40	46.30	46.71	35.95	64.79	18.09	41.01	63.99	47.94	63.22	77.13	50.00	54.33	101

Veteli	67.94	68.83	62.84	74.03	47.66	1.51	45.21	58.45	37.23	63.14	17.40	38.48	71.18	42.73	51.20	74.93	0.00	48.40	273
Vieremä	62.52	90.02	61.06	66.67	56.44	0.00	45.84	70.10	43.93	60.89	22.33	38.84	82.89	70.48	52.23	71.18	0.00	52.67	160
Vihti	77.34	69.18	58.69	68.87	76.86	51.74	46.85	49.64	56.84	64.66	32.52	43.70	59.63	53.42	60.21	68.78	50.00	58.17	34
Viitasaari	47.84	71.28	42.14	63.21	94.32	50.00	47.05	52.56	34.33	54.00	26.56	37.27	73.47	72.87	53.51	68.22	0.00	52.27	171
Vimpeli	60.20	67.80	57.80	71.82	56.71	51.44	46.97	56.32	42.34	66.62	19.01	38.60	56.94	51.77	49.44	84.38	0.00	51.66	189
Virolahti	56.81	82.36	58.93	63.21	70.58	1.86	43.94	53.12	26.16	58.55	37.01	37.66	59.48	54.53	55.28	55.54	0.00	47.94	281
Virrat	47.65	68.75	58.58	67.86	78.40	50.83	46.37	63.02	48.77	60.60	23.49	36.01	65.48	68.36	54.86	74.75	0.00	53.75	121
Vårdö	73.33	80.53	68.05	54.99	74.06	6.86	43.06	68.37	62.77	72.87	8.81	44.50	53.71		41.03	83.08	0.00	52.25	173
Vöyri	71.50	84.23	55.34	59.76	64.39	4.61	46.16	68.29	38.28	63.88	20.09	37.82	68.86	16.79	53.75	82.93	0.00	49.22	260
Ylitornio	65.31	98.17	51.57	58.93	93.90	50.73	45.32	63.63	39.65	63.04	21.40	35.96	71.55	68.81	43.20	75.26	0.00	55.67	69
Ylivieska	54.22	74.43	60.69	76.23	72.40	51.38	50.63	54.15	38.46	64.80	27.86	42.21	63.59	37.70	50.24	64.74	0.00	51.98	183
Yläjärvi	75.69	78.11	69.04	79.21	76.23	0.00	47.46	49.86	51.19	64.72	31.14	45.52	69.80	73.85	57.37	72.59	50.00	58.34	33
Ypöjä	62.63	84.50	66.45	62.75	77.05	9.47	46.03	59.29	32.99	63.23	20.29	33.46	49.24	32.54	58.47	78.14	0.00	49.21	261
Ähtäri	57.52	69.77	62.11	69.14	78.25	50.00	46.60	58.87	47.47	57.68	37.86	37.18	69.19	69.09	51.22	67.20	0.00	54.66	93
Äänekoski	54.00	69.01	58.18	67.51	69.33	50.00	47.96	47.78	33.52	51.12	40.90	40.39	66.99	71.64	56.98	63.51	0.00	52.28	169

III b) Population-coverage-weighted score outcome matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	TOTAL	RANK
Akaa	61.31	64.13	57.62	74.61	75.18	50.00	47.64	45.27	37.44	54.02	23.56	39.65	40.41	42.08	59.51	63.68	0.00	49.18	241
Alajärvi	50.98	64.62	50.82	68.48	51.37	51.15	47.57	59.10	55.76	63.08	21.64	39.74	75.47	55.10	50.18	77.57	0.00	51.92	153
Alavieska	49.91	67.73	53.74	58.34	64.39	1.74	69.83	53.47	34.68	67.19	23.76	37.42	73.95	17.77	51.39	74.77	0.00	47.06	289
Alavus	50.38	61.83	56.43	69.96	75.50	51.77	47.29	59.26	38.23	57.78	20.37	38.57	68.46	58.59	50.61	69.46	0.00	51.44	175
Asikkala	67.62	55.99	56.64	72.68	70.97	50.00	45.21	55.97	51.02	54.27	27.67	36.00	61.41	69.12	63.43	77.48	50.00	56.79	34
Askola	77.16	66.04	59.32	58.96	57.28	2.48	46.34	50.15	37.29	64.09	17.57	40.87	55.05	37.81	54.44	70.98	0.00	46.81	295
Aura	70.13	69.58	57.50	59.11	80.30	51.22	47.34	50.06	54.73	67.60	23.13	43.38	45.15	17.77	56.91	53.70	50.00	52.80	125
Brändö	70.85	99.17	51.90	58.62	62.89	0.00	45.72	67.29	34.28	59.57	18.68	40.29	47.49		32.66	75.05	0.00	47.78	270
Eckerö	82.09	90.32	58.36	56.55	42.30	1.97	46.66	67.68	64.84	86.45	0.45	44.04	67.70	100.00	49.83	64.85	0.00	54.36	74
Enonkoski	58.15	54.39	42.81	73.54	66.14	0.81	43.89	59.79	24.41	48.21	21.55	32.96	84.99	85.18	61.12	75.75	0.00	49.04	248
Enontekiö	55.06	49.83	55.19	81.48	69.60	0.00	45.92	47.63	36.14	74.40	21.83	37.68	76.31	94.83	57.05	67.45	50.00	54.14	79
Espoo	65.50	61.14	62.38	73.83	73.91	0.05	48.72	48.33	50.84	62.36	53.31	46.21	61.53	62.23	46.32	75.28	100.00	58.35	13
Eura	70.55	62.19	60.03	63.96	56.31	51.30	46.90	60.30	47.35	62.80	21.28	34.81	55.60	59.70	56.70	71.02	0.00	51.81	161
Eurajoki	83.05	66.83	55.83	73.65	47.12	50.51	47.08	59.55	41.43	69.06	17.30	49.42	60.26	61.17	57.20	72.68	50.00	56.60	39
Evijärvi	78.13	63.24	58.31	72.65	54.65	1.39	45.95	65.12	62.34	61.59	18.92	37.07	63.01	38.07	49.76	80.15	0.00	50.02	217
Finsström	76.41	65.13	59.77	52.01	72.57	0.05	47.67	62.99	67.69	64.05	7.94	42.65	54.25	50.63	51.46	68.33	0.00	49.62	229
Forssa	54.43	56.50	62.32	73.37	80.26	27.14	48.39	56.41	58.84	51.88	43.94	37.93	53.77	32.39	59.40	67.81	50.00	53.81	87
Föglö	68.31	78.72	62.99	27.45	64.49	3.57	46.20	79.21	29.75	49.21	9.85	39.77	56.00		50.15	73.72	0.00	46.21	301
Geta	64.41	87.84	54.55	15.08	53.90	4.60	42.27	72.92	61.06	67.47	11.03	42.59	63.48		40.31	59.04	0.00	46.29	299
Haapajärvi	47.77	70.28	50.01	61.95	50.65	50.00	52.73	54.13	34.43	67.09	25.65	40.69	76.24	47.75	52.40	64.40	0.00	49.77	225
Haapavesi	48.62	73.34	49.82	66.33	67.08	71.40	47.33	53.42	35.53	61.52	22.90	41.70	75.47	37.39	47.47	69.42	0.00	51.10	187
Hailuoto	66.29	99.33	35.54	94.55	74.29	0.00	47.61	53.80	64.39	44.20	20.12	39.54	78.63		46.23	75.34	50.00	55.62	49
Halsua	64.40	55.03	49.59	39.86	50.34	0.00	44.68	62.86	38.82	53.33	17.64	38.15	77.80	59.27	46.42	76.17	0.00	45.55	307
Hamina	64.64	58.64	66.74	68.45	67.08	52.01	48.42	44.40	42.20	53.40	30.82	42.47	54.40	58.49	54.35	64.75	50.00	54.19	76
Hammarnä	73.93	63.17	62.09	49.55	77.48	1.86	46.54	68.37	63.99	81.81	5.87	43.56	58.54	75.00	51.25	66.30	0.00	52.31	136
Hankasalmi	50.32	56.90	54.33	80.07	88.64	1.02	45.98	53.33	36.14	52.95	21.94	35.29	64.52	65.82	56.96	70.65	0.00	49.11	244
Hanki	67.35	63.02	53.97	59.99	61.06	4.11	48.08	38.81	47.63	53.99	36.85	34.73	40.52	75.00	51.63	67.07	50.00	50.22	212
Harjavalta	54.16	61.16	36.97	75.98	69.58	4.10	48.43	59.72	42.86	52.50	30.76	35.64	45.06	38.62	54.69	65.39	0.00	45.63	306
Hartola	46.02	53.71	61.87	70.62	72.92	1.67	45.07	52.26	32.48	51.86	24.10	34.37	75.84	74.00	61.60	64.77	0.00	48.42	262
Hattula	80.21	67.76	55.93	75.76	63.03	50.00	46.11	48.42	45.39	60.48	17.71	41.36	55.38	52.87	58.70	73.73	0.00	52.52	133
Hausjärvi	75.87	61.30	57.97	66.43	74.94	55.61	47.06	50.95	38.84	59.01	24.78	40.03	53.20	48.53	55.22	71.53	0.00	51.84	157
Heinola	55.86	57.91	64.60	73.81	70.44	51.76	47.49	48.48	54.66	51.79	39.38	36.61	60.97	73.95	59.00	65.19	0.00	53.64	90
Heinävesi	41.38	52.86	60.67	67.92	73.10	0.47	45.70	50.74	31.20	45.52	25.00	34.90	80.09	92.82	59.92	65.48	0.00	48.69	254
Helsinki	51.62	47.56	69.33	81.44	71.20	50.01	50.00	58.03	57.14	55.53	58.83	42.61	47.45	45.53	33.77	71.44	100.00	58.32	14
Hirvensalmi	55.72	54.11	53.73	64.80	70.34	0.96	44.31	59.76	38.50	49.77	19.73	31.44	81.29	84.16	59.87	67.36	0.00	49.17	242
Hollola	72.93	65.73	58.82	69.56	76.52	6.06	47.43	48.38	52.55	63.30	36.41	41.81	57.67	51.58	59.71	72.47	0.00	51.82	160
Honkajoki	54.90	44.02	48.75	62.89	34.83	50.25	35.45	63.39	59.25	53.33	21.37	34.51	66.72	45.53	51.55	76.47	0.00	47.25	283
Huittinen	62.00	57.15	55.56	74.42	74.48	51.43	46.92	62.69	60.55	56.98	24.35	35.11	47.64	51.67	58.46	69.27	0.00	52.28	137
Humppila	67.22	62.47	48.65	62.66	88.65	0.06	46.24	54.60	47.59	58.75	22.16	32.27	48.44	17.77	56.03	71.88	0.00	46.20	302
Hyrnsalmi	58.59	99.43	37.72	66.16	72.99	0.00	45.91	52.78	48.62	48.14	19.67	31.78	82.85	74.57	46.93	60.02	50.00	52.71	129
Hyvinkää	68.93	60.81	65.02	71.31	80.47	53.55	48.58	53.91	43.73	59.93	54.12	43.42	58.77	67.46	53.21	66.16	50.00	58.79	10
Hämeenkyrö	65.12	60.25	51.53	76.25	64.83	53.09	47.54	46.24	41.91	57.95	22.78	41.70	59.72	51.44	60.00	66.11	50.00	53.91	83
Hämeenlinna	62.37	58.81	58.99	75.89	79.11	50.00	47.83	50.75	53.05	57.08	47.02	41.30	61.98	61.49	61.01	67.81	0.00	54.97	64

<i>li</i>	50.73	74.05	37.31	58.58	61.01	27.18	61.00	44.33	38.27	70.55	23.07	44.19	69.59	55.76	46.04	58.06	50.00	51.16	184
<i>lialmi</i>	54.80	58.32	50.92	78.12	77.03	54.97	48.47	55.47	61.72	52.93	40.61	39.33	57.92	56.42	54.80	61.72	0.00	53.15	106
<i>litti</i>	59.62	54.98	54.95	63.41	67.41	50.00	45.91	57.55	39.95	56.02	32.79	34.12	53.62	48.49	59.48	70.58	0.00	49.93	223
<i>Ikaalinen</i>	59.89	49.61	46.01	70.81	68.22	50.00	45.75	49.95	57.03	56.64	23.43	36.17	54.16	63.11	58.29	56.57	0.00	49.74	226
<i>Ilmajoki</i>	72.30	67.71	67.65	78.02	60.57	26.43	52.66	51.53	39.43	65.32	19.93	38.33	50.10	33.88	51.81	77.94	0.00	50.21	213
<i>Ilomantsi</i>	56.34	53.87	53.36	79.06	76.32	50.62	47.09	51.52	56.07	47.95	22.53	35.96	70.58	72.69	50.38	66.49	50.00	55.34	54
<i>Imatra</i>	58.94	55.32	53.52	79.59	75.44	52.31	48.24	49.01	39.53	49.17	46.99	38.41	56.13	78.94	49.86	65.44	0.00	52.76	127
<i>Inari</i>	65.91	61.59	55.15	72.03	80.15	50.00	40.73	56.83	45.20	61.92	35.29	45.16	72.09	90.85	60.77	70.03	0.00	56.69	37
<i>Inkoo</i>	81.68	61.17	59.55	71.50	74.28	0.40	44.96	49.13	53.88	61.30	20.82	42.75	56.18	58.88	58.27	77.93	50.00	54.27	75
<i>Isajoki</i>	59.44	51.91	63.65	49.36	49.94	2.20	50.05	65.82	38.26	56.01	18.93	31.43	82.09	78.35	52.22	74.90	0.00	48.50	259
<i>Isokyrö</i>	64.02	63.70	60.42	69.61	55.19	57.54	45.94	59.43	40.01	60.41	14.98	36.54	54.07	25.00	51.33	78.46	0.00	49.21	239
<i>Janakkala</i>	67.39	64.14	53.77	70.71	76.39	51.42	47.30	49.28	46.13	59.19	24.59	40.39	53.59	49.24	59.66	70.63	0.00	51.99	151
<i>Joensuu</i>	38.93	60.00	59.82	86.37	75.28	52.73	48.68	51.95	55.88	52.91	54.36	42.22	71.50	70.11	53.21	63.17	100.00	61.01	3
<i>Jokinen</i>	67.87	63.64	61.33	66.18	78.86	1.98	49.41	51.36	44.53	61.87	19.64	37.79	39.46	46.97	57.64	76.07	0.00	48.51	258
<i>Jomala</i>	91.57	66.52	61.02	70.78	83.55	0.98	47.62	77.96	77.67	76.66	18.08	47.07	59.34	50.28	51.84	68.98	0.00	55.88	46
<i>Jorainen</i>	63.43	61.11	57.97	72.77	78.29	2.41	37.53	51.33	33.12	54.95	21.46	34.64	67.66	62.60	57.02	64.64	0.00	48.29	264
<i>Joutsa</i>	48.41	56.20	52.93	67.65	70.03	50.00	44.92	52.53	45.20	50.14	23.08	35.32	72.89	73.63	60.60	68.09	0.00	51.27	182
<i>Juuka</i>	42.71	55.21	55.55	71.44	82.00	50.95	46.75	56.21	44.62	40.31	27.16	33.47	77.36	73.54	53.27	68.15	0.00	51.69	168
<i>Juupajoki</i>	59.60	51.81	44.86	70.90	66.78	2.21	46.58	58.15	42.74	46.79	35.61	35.34	71.55	69.58	58.13	72.86	0.00	49.03	249
<i>Juva</i>	62.46	60.09	69.35	76.62	83.51	50.63	46.04	58.94	40.83	58.22	23.34	34.64	77.00	77.62	57.80	63.50	0.00	55.33	56
<i>Jyväskylä</i>	47.73	56.04	61.94	83.52	83.14	50.00	48.85	50.23	53.52	54.28	55.28	42.39	66.15	64.11	56.06	66.30	100.00	61.15	2
<i>Jämijärvi</i>	67.41	58.32	50.41	70.67	78.25	0.56	62.81	54.31	62.08	58.84	19.09	33.43	52.69	53.82	53.91	78.14	0.00	50.28	210
<i>Jämsä</i>	62.20	57.34	63.11	73.82	58.88	51.67	47.23	50.72	33.83	49.98	36.87	35.47	64.50	66.70	59.46	63.11	0.00	51.46	173
<i>Järvenpää</i>	70.98	61.91	60.83	72.96	77.11	7.32	48.31	49.58	52.80	68.19	56.73	46.25	52.91	37.67	34.41	69.44	50.00	53.97	81
<i>Kaarina</i>	82.46	62.11	61.15	69.17	79.86	4.93	47.34	50.16	46.74	61.77	42.94	29.30	47.71	21.38	48.81	78.14	50.00	52.00	149
<i>Kaavi</i>	48.42	61.56	49.96	56.40	73.90	1.17	46.12	55.51	36.25	43.04	28.19	0.00	45.93	80.73	55.52	59.71	0.00	43.67	310
<i>Kajaani</i>	57.47	62.75	55.81	83.08	81.43	52.64	48.59	52.36	57.54	52.99	42.15	40.67	64.10	69.10	48.09	57.51	50.00	57.43	25
<i>Kalajoki</i>	69.79	69.44	48.09	68.17	62.82	4.17	65.94	59.74	42.82	60.73	23.19	40.95	73.73	55.61	49.76	73.60	0.00	51.09	190
<i>Kangasala</i>	78.94	68.65	61.02	74.91	70.53	52.68	47.14	47.77	50.56	63.33	39.16	44.31	62.90	58.32	61.33	73.16	50.00	59.10	7
<i>Kangasniemi</i>	60.94	56.44	51.06	72.72	73.38	50.44	45.33	51.85	41.89	53.54	21.48	32.69	77.58	83.10	58.30	69.87	0.00	52.98	114
<i>Kankaanpää</i>	59.09	58.01	57.43	77.03	70.66	51.15	50.93	55.76	65.75	56.52	31.02	36.19	60.65	53.75	53.31	73.82	0.00	53.59	92
<i>Kannonkoski</i>	47.63	65.06	37.58	62.12	86.08	1.55	45.97	41.77	61.58	57.43	22.91	36.17	82.45	78.55	52.45	76.03	0.00	50.31	209
<i>Kannus</i>	56.08	66.61	60.18	65.36	59.28	50.00	45.29	58.40	40.89	66.06	26.05	40.75	67.66	57.44	48.89	68.90	0.00	51.64	169
<i>Karjoki</i>	63.86	79.96	54.06	65.70	34.71	0.26	44.84	59.78	40.25	64.59	19.53	32.54	70.82	69.27	52.57	85.84	0.00	49.33	238
<i>Karkkila</i>	67.17	59.78	49.38	64.93	72.45	50.98	47.97	42.53	40.46	57.88	34.30	40.68	51.59	72.10	60.15	68.61	0.00	51.82	159
<i>Karstula</i>	62.39	61.43	43.41	73.32	75.21	50.27	47.29	52.24	67.69	54.78	20.36	35.01	74.45	58.00	52.67	73.16	0.00	53.04	113
<i>Karvia</i>	56.71	58.13	62.31	66.39	33.57	0.00	55.65	65.19	59.30	58.87	20.31	32.90	78.23	35.12	50.63	82.05	0.00	47.96	266
<i>Kaskinen</i>	79.16	99.43	39.38	78.89	58.92	0.46	42.16	51.03	44.85	57.03	21.54	32.95	45.28		35.68	88.06	0.00	48.43	261
<i>Kauhajoki</i>	52.89	55.42	48.81	75.04	63.54	51.07	48.83	51.99	40.35	53.81	19.49	37.04	63.59	54.71	49.29	69.64	0.00	49.15	243
<i>Kauhava</i>	63.83	63.46	46.25	75.85	59.51	50.01	47.23	63.44	36.75	60.93	20.17	37.36	55.23	18.93	48.97	76.35	0.00	48.49	260
<i>Kaunialainen</i>	87.14	28.99	68.84	74.45	79.14	0.00	48.09	45.02	33.80	59.06	56.83	39.41	46.87	25.00	28.89	92.04	50.00	50.80	195
<i>Kaustinen</i>	71.54	62.67	63.23	71.85	57.44	51.02	46.32	51.93	40.88	67.13	18.72	41.22	69.62	38.01	49.61	77.56	0.00	51.69	167
<i>Keitele</i>	63.46	57.23	44.77	72.99	64.13	3.01	47.16	64.52	41.39	55.12	27.09	33.59	79.14	73.70	56.22	75.24	0.00	50.52	203
<i>Kemi</i>	35.64	60.51	55.69	72.97	69.64	25.00	50.63	44.90	46.70	40.42	45.88	40.08	57.31	60.27	34.59	62.79	0.00	47.24	284
<i>Kemijärvi</i>	63.55	53.61	60.55	74.81	73.19	50.00	46.12	43.48	33.37	47.08	24.39	33.41	71.11	76.92	41.91	71.09	0.00	50.86	193
<i>Keminmaa</i>	70.27	68.69	54.56	77.03	62.94	0.00	46.93	47.27	47.48	57.87	22.08	40.22	63.92	61.63	46.13	73.61	0.00	49.45	235
<i>Kemiönsaari</i>	66.77	49.57	52.91	73.99	47.89	0.31	45.48	58.55	68.89	60.56	20.76	34.70	61.04	70.08	52.38	76.83	0.00	49.45	234
<i>Kempele</i>	79.82	80.29	55.31	69.50	64.44	50.00	48.19	48.95	60.52	67.41	33.44	47.25	54.65		39.39	74.58	50.00	57.73	20
<i>Kerava</i>	64.90	62.81	62.01	67.48	78.30	5.54	49.34	53.65	56.56	61.36	49.24	47.18	55.69	45.53	36.37	68.83	50.00	53.81	86
<i>Keuruu</i>	54.15	57.27	58.35	77.00	74.80	50.96	47.31	46.24	37.07	51.90	28.43	33.70	66.24	71.74	54.32	72.01	0.00	51.85	155
<i>Kihniö</i>	50.10	95.33	61.16	77.54	56.63	2.83	46.26	52.12	35.11	59.85	22.11	35.13	78.96	63.66	53.82	83.07	0.00	51.39	178
<i>Kinnula</i>	22.93	95.46	50.77	57.06	44.22	2.47	46.32	49.82	34.00	53.51	24.64	36.41	83.83	58.19	50.67	91.19	0.00	47.15	288
<i>Kirkkonummi</i>	76.41	71.00	55.10	72.00	72.12	51.92	47.20	43.99	47.19	65.27	39.18	47.46	77.45	48.85	54.53	76.43	50.00	58.59	12
<i>Kitee</i>	54.70	57.08	51.71	72.50	88.44	50.02	46.63	55.00	32.87	49.79	24.42	34.35	69.00	76.28	57.96	65.37	50.00	55.07	61
<i>Kittilä</i>	71.21	61.21	63.96	73.50	56.04	50.00	45.29	57.17	55.91	61.50	22.95	44.78	84.38	81.12	45.39	55.50	0.00	54.70	70
<i>Kiuruvesi</i>	51.11	61.70	54.27	73.34	81.39	51.88	46.68	53.00	49.21	52.15	26.10	37.29	73.73	53.41	52.90	68.21	0.00	52.14	143
<i>Kivijärvi</i>	54.72	97.21	31.46	48.21	43.80	1.33	45.29	46.74	60.59	48.84	20.67	32.93	78.16	68.03	51.48	75.99	0.00	47.38	280
<i>Kokemäki</i>	57.63	55.89	56.89	73.48	66.80	50.00	47.21	50.37	66.45	54.16	19.19	32.71	52.87	47.64	55.36	67.90	0.00	50.27	211
<i>Kokkola</i>	65.99	66.33	60.47	75.30	61.45	51.70	48.46	49.02	40.69	62.09	45.30	43.70	64.19	32.26	49.22	69.17	0.00	52.08	146
<i>Kolari</i>	67.16	57.25	43.08	86.14	62.01	0.00	33.71	56.74	48.20	58.00	21.95	40.06	79.51	74.61	42.50	79.97	0.00	50.05	216
<i>Konnevesi</i>	59.78	59.74	52.34	66.69	66.82	5.69	46.90	39.74	64.83	55.76	22.60	37.15	82.49	83.34	51.81	72.13			

Kouvola	62.26	57.27	53.93	75.56	77.25	50.00	47.81	50.43	41.22	50.79	40.06	36.94	60.66	65.56	56.56	66.25	0.00	52.50	134
Kristiinank ouppunki	74.31	52.66	49.16	70.17	78.95	1.44	67.93	60.16	67.45	58.47	22.55	33.95	70.20	54.69	54.05	81.92	0.00	52.83	124
Kruunupyy	82.39	65.10	54.68	76.59	57.60	0.00	46.08	62.27	34.42	67.01	20.52	38.55	71.18	42.60	51.62	72.99	0.00	49.62	230
Kuhmo	57.05	59.38	55.55	77.39	72.26	51.84	47.65	48.47	40.30	51.29	25.22	34.94	80.49	79.96	49.56	63.81	50.00	55.60	51
Kuhmoinen	57.92	47.96	53.64	70.88	85.15	1.40	42.15	59.20	36.73	45.39	20.68	28.50	59.67	82.66	62.60	74.26	50.00	51.69	166
Kumlinge	50.24	77.43	68.96	69.28	55.72	0.69	45.99	63.09	23.41	88.08	14.32	43.90	60.36		37.00	79.01	0.00	48.59	257
Kuopio	53.19	59.06	63.86	84.95	72.58	52.46	48.81	53.67	57.87	56.63	48.33	42.92	67.98	76.18	56.20	62.96	100.0 0	62.21	1
Kuortane	70.28	58.38	53.57	75.95	52.86	1.58	46.86	62.59	45.25	58.84	18.91	31.22	69.44	50.14	50.78	80.57	0.00	48.66	255
Kurikka	63.45	57.00	46.49	76.77	62.04	28.87	47.66	54.22	41.15	56.63	22.06	37.08	62.25	38.27	51.32	72.96	0.00	48.13	265
Kustavi	61.82	96.64	51.98	72.16	48.68	33.26	37.21	58.34	81.03	57.88	19.38	38.24	49.93		54.55	85.97	0.00	52.94	119
Kuusamo	59.80	61.19	55.24	77.12	75.66	34.29	43.46	58.52	36.77	55.44	41.35	39.70	76.20	80.30	43.69	71.60	0.00	53.55	96
Kyyjärvi	70.25	59.47	40.65	54.15	55.37	0.82	47.18	42.38	64.57	54.10	19.42	36.67	80.70	48.18	50.65	78.27	0.00	47.23	286
Kärkölä	60.89	60.83	60.41	69.68	56.84	51.24	46.81	56.34	29.39	58.43	19.60	39.16	45.77	47.77	56.69	72.54	0.00	48.96	251
Kärsämäki	46.44	74.49	53.43	51.53	62.02	0.00	46.61	54.45	55.33	56.38	24.66	40.18	84.05	54.13	49.21	60.22	0.00	47.83	268
Kökar	50.50	87.76	56.03	53.65	66.18	0.00	43.89	46.29	47.95	65.35	13.07	46.49	34.30	50.00	21.18	78.00	0.00	44.74	309
Lahti	49.95	56.55	48.99	76.77	81.22	50.00	48.98	39.65	61.75	53.06	51.12	41.18	60.45	48.62	52.74	64.37	100.0 0	57.96	16
Laihia	75.89	65.23	60.30	76.09	63.43	50.60	47.38	49.05	41.28	60.71	19.78	39.71	65.33	43.55	56.34	75.49	0.00	52.36	135
Laitila	68.81	61.55	67.11	69.12	62.51	52.95	47.36	63.94	58.76	71.21	25.17	37.30	54.18	62.30	56.25	60.51	50.00	57.00	30
Lapinjärvi	65.00	53.90	57.86	56.99	63.19	1.90	43.86	57.60	57.56	63.88	18.67	33.15	53.85	40.76	59.23	68.64	0.00	46.94	291
Lapinlahti	50.44	63.98	65.51	72.88	63.10	50.39	46.89	52.84	47.32	53.46	24.48	38.37	70.20	58.59	56.65	64.34	0.00	51.73	164
Lappajärvi	68.34	52.12	57.30	77.50	71.19	13.78	46.31	57.93	43.10	58.57	19.20	36.27	65.92	43.53	49.80	83.66	0.00	49.68	227
Lappeenra nta	54.36	57.92	55.00	81.45	72.21	50.00	49.35	49.04	42.10	55.71	46.49	41.00	62.80	59.96	54.31	65.35	100.0 0	58.65	11
Lapua	70.12	65.94	67.34	71.81	59.65	51.68	49.87	53.88	36.56	60.93	23.69	39.52	54.50	47.04	50.62	78.03	0.00	51.83	158
Laukaa	65.70	70.21	50.66	74.94	64.48	50.60	47.61	44.24	38.03	60.50	24.38	42.93	62.21	64.11	54.89	71.21	0.00	52.16	142
Lemi	72.68	63.25	60.51	77.68	56.12	3.12	46.80	51.41	37.18	56.12	19.66	37.07	68.46	63.68	57.54	77.77	0.00	49.94	221
Lemland	86.71	85.26	62.47	66.30	86.65	4.68	56.85	63.46	57.37	78.68	13.51	46.71	65.15		53.27	71.88	0.00	56.18	42
Lempäälä	74.82	72.60	48.71	72.34	78.92	8.35	47.84	45.49	48.56	64.60	31.09	45.17	52.87	47.98	60.84	75.52	50.00	54.45	73
Leppävirta	60.49	61.86	49.10	81.86	72.84	52.55	48.11	58.20	33.05	59.07	24.92	36.91	69.77	78.38	61.17	62.80	0.00	53.59	91
Lestijärvi	52.98	95.56	42.86	62.71	76.31	2.83	44.76	61.39	31.41	49.09	23.89	39.46	77.58	83.90	50.53	86.04	0.00	51.84	156
Liekka	39.67	52.10	57.91	77.85	76.61	50.78	47.31	53.92	45.38	40.39	30.98	33.08	71.69	75.35	52.78	65.22	50.00	54.18	78
Lieto	84.42	67.40	58.92	74.04	77.57	9.15	47.40	53.07	46.89	67.47	25.35	42.71	53.33	21.38	53.77	77.71	50.00	53.56	93
Liminka	61.12	98.68	40.53	58.31	62.57	50.00	47.52	51.90	34.84	77.46	28.22	50.00	67.08	37.51	43.69	72.52	50.00	54.82	68
Liperi	57.02	68.72	59.54	78.53	83.14	3.53	45.94	49.89	36.31	57.89	18.72	41.95	65.33	65.42	57.64	66.31	50.00	53.29	104
Lohja	70.94	55.93	54.43	63.63	84.40	27.39	46.97	49.57	57.07	60.40	43.01	41.49	47.78	63.25	59.00	67.01	50.00	55.43	52
Loimaa	62.70	59.40	54.77	72.08	68.89	53.22	46.54	61.01	49.96	57.28	29.69	36.68	34.78	17.77	56.25	64.39	50.00	51.49	172
Loppi	71.69	67.70	55.14	69.30	74.03	50.76	45.63	55.15	42.09	65.01	22.58	40.23	62.39	68.60	60.38	76.29	0.00	54.53	72
Loviisa	62.21	59.54	55.13	64.46	57.19	10.62	45.73	54.36	66.46	57.08	29.94	36.94	48.28	52.64	58.10	71.56	0.00	48.84	253
Luhanka	65.29	96.98	53.72	63.70	70.06	0.38	71.00	60.92	58.67	41.88	19.71	30.89	88.52	46.38	59.87	84.53	0.00	53.68	89
Lumijoki	54.25	83.75	41.67	31.97	47.03	0.00	47.75	54.14	31.58	68.17	26.04	44.92	66.35	17.77	46.38	74.46	50.00	46.25	300
Lumppio	100.0	97.39	60.64	65.01	53.04	2.41	48.42	55.41	60.02	93.08	9.51	42.53	63.81		49.64	78.51	0.00	54.96	65
Luoto	84.81	87.19	30.21	59.05	70.40	54.12	48.59	58.12	52.43	86.12	23.84	49.95	74.27	42.41	51.42	97.06	0.00	57.06	29
Luumäki	73.14	57.83	58.86	77.68	80.74	52.19	45.20	60.11	40.10	51.10	21.79	35.50	67.44	59.53	57.17	62.20	0.00	52.98	115
Maalahti	74.90	60.59	52.62	69.88	72.77	53.62	42.51	54.80	45.63	63.21	19.67	37.92	70.20	14.10	52.61	88.23	0.00	51.37	179
Maarianha mina	75.88	61.44	61.96	68.21	64.98	52.47	49.09	80.38	45.50	60.99	30.19	36.22	7.81		20.35	62.63	50.00	51.76	163
Marttila	64.64	89.28	68.35	66.41	73.09	20.75	43.31	59.84	62.40	58.91	17.98	27.03	46.88	17.77	55.04	71.37	0.00	49.59	231
Masku	92.06	73.94	52.87	79.16	72.07	50.00	46.56	47.03	52.54	72.21	19.90	42.48	57.54	41.98	54.37	77.60	50.00	57.78	18
Merijärvi	27.11	72.72	49.06	43.73	52.94	6.20	61.84	59.70	30.94	70.93	26.03	41.10	83.68	45.36	51.27	80.70	0.00	47.25	282
Merikarvia	52.01	59.37	51.59	65.38	61.34	1.37	46.02	59.49	32.98	52.42	23.93	37.19	75.25	57.37	56.75	77.16	0.00	47.62	274
Miehikkälä	50.38	56.58	43.97	63.49	78.58	24.16	45.83	56.09	28.09	52.49	18.51	34.32	71.95	50.33	57.20	73.52	0.00	47.38	279
Mikkeli	63.02	61.88	64.46	80.55	76.81	59.20	47.86	51.87	47.81	53.67	41.43	40.21	69.31	78.99	58.44	64.37	0.00	56.46	40
Muhos	53.54	78.35	52.30	65.06	66.87	25.00	46.92	45.50	34.95	61.43	26.22	44.48	62.97	65.07	43.68	71.28	50.00	52.57	131
Multia	41.62	63.24	45.89	69.53	75.44	0.30	46.85	63.06	62.15	48.30	20.87	31.65	88.88	70.21	52.64	68.73	0.00	49.96	220
Muonio	64.54	61.88	48.34	52.51	56.40	0.11	43.63	55.72	33.76	45.60	46.79	41.11	83.21	86.21	40.97	61.93	0.00	48.39	263
Mustasaari	88.67	67.48	43.91	80.92	72.28	4.50	47.04	49.90	41.89	68.01	22.90	42.81	64.35	43.43	55.95	86.45	0.00	51.79	162
Muurame	85.28	74.77	52.70	71.02	87.68	52.31	47.60	49.76	43.23	65.05	27.02	44.96	64.14	78.38	60.23	75.56	0.00	57.63	21
Myrämäki	76.29	63.02	58.72	68.56	73.31	100.0 0	45.98	53.71	47.55	64.77	18.88	37.75	59.90	47.77	57.57	54.50	50.00	57.55	23
Myrskylä	69.03	56.81	43.22	67.80	59.78	0.49	45.76	52.99	51.50	67.87	19.86	37.59	56.00	31.18	54.38	69.29	0.00	46.09	304
Mäntsälä	78.54	69.81	49.53	61.49	74.99	50.00	47.35	52.57	51.76	69.07	26.54	44.68	52.67	42.98	57.65	61.58	50.00	55.37	53
Mänttä- Viippula	58.49	58.12	65.39	75.11	67.45	50.26	47.77	49.23	48.88	49.78	28.74	34.79	61.77	82.58	57.59	66.38	0.00	53.08	111
Mäntyharj u	59.79	53.93	55.23	77.60	70.19	50.39	44.93	54.33	34.53	52.25	24.83	35.14	74.64	90.64	57.95	67.15	0.00	53.15	108
Naantali	77.06	66.05	61.51	77.83	66.35	3.60	47.40	53.93	64.97	59.50	42.17	42.79	61.56	0.00	54.31	79.37	50.00	53.44	99
Nakkila	58.82	66.38	49.21	72.07	77.20	1.04	47.46	53.82	48.59	59.54	19.81	36.42	45.09	30.48	56.34	75.60	0.00	46.93	292

Nurmes	54.69	55.13	49.02	76.31	72.20	51.06	47.97	55.97	50.24	52.34	28.93	34.09	70.53	74.18	52.22	62.22	50.00	55.12	60
Nurmijärvi	82.74	70.49	59.84	61.45	72.63	54.84	47.14	48.85	45.71	71.59	33.52	45.25	54.27	56.44	50.57	72.70	50.00	57.53	24
Närpiö	75.73	58.38	57.75	68.20	65.98	50.00	2.85	70.48	45.23	65.48	23.37	38.82	67.30	33.83	53.29	80.92	0.00	50.45	206
Oirimattila	59.67	61.31	56.19	65.89	68.20	50.00	46.50	51.96	49.08	56.55	25.67	38.58	48.67	36.46	53.14	66.25	0.00	49.07	247
Oripää	55.70	93.70	48.54	45.65	62.20	8.84	36.47	61.76	52.29	63.23	21.34	39.06	45.13	24.54	54.56	79.00	0.00	46.59	298
Orivesi	56.41	55.83	55.14	71.06	80.16	51.42	46.43	50.15	44.61	58.18	25.59	36.86	60.61	64.31	59.94	72.00	50.00	55.22	58
Oulainen	59.91	66.72	56.11	65.94	70.62	50.99	47.67	51.77	28.35	63.03	25.16	39.22	67.66	47.16	49.82	72.08	0.00	50.72	197
Oulu	54.84	68.34	59.40	79.01	74.69	3.93	48.89	47.19	61.33	53.80	65.22	44.53	70.91	56.05	43.99	67.67	100.00	58.81	9
Outokumpu	39.35	54.20	50.05	74.49	74.41	51.14	48.07	53.49	29.85	47.11	31.32	37.37	66.46	55.61	56.05	64.91	50.00	51.99	150
Padasjoki	66.95	53.61	44.07	60.78	75.51	0.86	43.77	54.58	36.94	50.63	23.22	35.93	59.11	61.27	64.83	77.62	50.00	50.57	201
Paimio	73.73	58.98	65.22	76.44	88.39	50.00	47.79	46.98	39.87	64.07	26.05	41.11	53.14	17.77	52.51	75.31	50.00	54.55	71
Paltamo	55.09	62.24	55.94	60.94	60.42	4.18	46.24	49.30	31.20	47.28	23.29	36.11	80.70	74.39	48.62	62.36	50.00	49.90	224
Parainen	80.07	53.96	54.09	80.74	68.93	3.94	45.55	55.76	54.31	60.45	37.34	40.93	61.77		55.61	73.95	0.00	51.71	165
Parikkala	62.86	50.22	51.31	74.48	75.66	29.78	46.52	60.06	40.49	43.73	23.49	30.15	71.58	68.03	58.71	70.92	50.00	53.41	101
Parkano	55.63	54.21	51.03	70.17	57.15	52.06	47.78	55.21	59.11	56.24	21.24	36.49	68.42	67.71	53.15	43.82	0.00	49.97	219
Pedersören kunta	87.35	78.36	47.86	61.03	68.51	50.00	47.75	66.43	33.04	77.86	18.59	44.53	75.87	34.84	52.75	93.11	0.00	55.17	59
Pelkosenniemi	49.45	99.61	56.08	89.71	71.88	50.00	34.64	50.90	58.50	60.75	22.31	36.78	78.34	75.51	41.17	74.71	0.00	55.90	44
Pello	71.14	53.50	59.95	74.23	78.88	0.00	45.81	58.74	53.44	54.74	23.70	34.03	80.31	73.49	42.41	81.24	0.00	52.09	144
Perho	40.89	80.62	53.34	36.51	72.76	0.53	58.48	57.96	43.60	68.55	25.01	45.01	79.72	61.74	49.20	78.88	0.00	50.16	214
Pertunmaa	52.27	63.16	45.72	49.97	62.44	0.00	43.74	57.51	38.23	47.57	19.37	33.73	83.83	85.20	58.04	69.06	0.00	47.64	273
Petäjävesi	60.46	72.66	45.91	71.70	60.64	3.72	47.25	50.09	64.82	55.39	21.60	45.40	80.12	63.27	55.87	75.21	0.00	51.42	176
Pieksämäki	56.13	57.01	59.93	80.09	74.22	50.00	47.80	52.75	29.47	52.57	39.38	35.24	63.52	75.79	55.36	59.05	0.00	52.25	138
Pielavesi	52.29	60.53	48.28	69.45	86.02	50.88	46.95	57.30	33.54	57.51	23.07	33.12	84.23	78.01	54.72	74.46	0.00	53.55	95
Pietarsaari	62.70	65.14	40.40	63.38	60.26	53.32	48.69	62.80	58.54	60.27	44.64	42.56	47.78	29.43	43.56	73.37	0.00	50.40	208
Pihtipudas	48.68	61.00	46.04	66.82	46.13	50.00	46.78	53.35	64.34	54.55	23.12	33.13	79.72	70.21	52.90	71.91	0.00	51.10	188
Pirkkala	80.26	71.44	67.63	75.54	80.38	2.38	48.35	49.25	55.87	61.25	42.59	46.49	59.91	53.45	53.42	81.14	50.00	57.61	22
Polvijärvi	39.29	56.73	53.81	75.77	46.05	1.52	46.47	57.53	36.56	53.37	20.83	36.94	81.50	66.66	53.52	72.00	0.00	46.97	290
Pomarkku	55.03	64.91	50.11	62.29	56.07	0.07	46.81	55.46	68.95	49.09	22.51	33.61	70.17	45.09	60.39	73.32	0.00	47.88	267
Pori	60.52	60.06	55.42	78.21	80.78	51.27	49.46	49.38	60.24	51.41	43.81	39.26	47.57	51.07	56.96	67.85	100.00	59.02	8
Pornainen	77.57	74.68	51.05	53.43	74.34	50.37	46.30	48.49	45.76	73.74	18.71	44.80	67.87	39.63	57.99	76.17	50.00	55.94	43
Porvoo	70.21	61.07	61.28	69.30	67.41	54.96	47.89	54.69	46.85	60.23	41.08	44.01	48.18	49.89	56.07	72.67	50.00	56.22	41
Posio	51.86	99.17	51.65	74.12	85.02	0.00	53.21	42.68	33.00	50.92	24.94	36.39	85.17	75.76	42.56	66.34	0.00	51.34	180
Pudasjärvi	47.63	62.11	34.58	71.03	84.05	50.16	45.94	53.36	66.03	59.03	26.06	40.18	82.85	75.23	45.25	64.80	0.00	53.43	100
Pukkila	71.16	56.55	57.25	64.48	48.25	0.00	45.14	51.82	38.97	60.06	22.89	39.62	51.16	33.75	54.00	71.18	0.00	45.08	308
Punkalaidun	55.34	56.42	63.05	62.03	85.32	1.45	45.24	64.02	50.21	50.48	19.69	32.67	36.97	21.38	57.73	81.91	0.00	46.11	303
Puolanka	60.42	55.33	54.28	68.70	94.31	1.40	45.61	52.38	41.16	46.45	25.15	36.27	81.69	77.84	45.65	67.13	50.00	53.16	105
Puumala	71.50	53.40	44.96	79.15	75.13	0.00	40.15	60.82	38.09	51.87	21.63	28.82	81.47	93.38	57.25	74.25	0.00	51.29	181
Pyhtää	74.63	63.42	73.79	67.39	67.19	50.18	45.71	42.78	43.34	52.56	17.96	35.39	60.83	46.57	56.44	71.32	0.00	51.15	185
Pyhäjoki	76.74	69.13	49.78	76.46	46.39	0.00	63.84	52.18	35.93	66.65	22.68	39.75	79.94	51.44	50.14	79.87	0.00	50.64	200
Pyhäjärvi	58.97	57.87	51.54	79.51	75.12	25.00	47.11	53.77	57.21	55.71	24.30	38.51	80.31	65.85	51.16	64.10	50.00	55.06	63
Pyhäntä	78.34	73.26	49.67	55.22	57.96	50.89	47.29	65.96	22.33	72.53	25.69	42.51	77.76	50.07	47.26	79.80	0.00	52.74	128
Pyhärinta	84.28	65.08	60.77	74.79	70.17	11.85	46.10	54.88	35.46	75.90	15.01	35.65	70.02	56.05	55.97	72.50	0.00	52.03	148
Päikäne	67.67	64.35	59.77	63.53	62.11	51.05	44.75	57.90	46.06	61.17	21.03	37.61	60.43	64.65	65.98	70.40	0.00	52.85	122
Pöytyä	67.56	66.06	60.35	59.96	62.79	0.94	45.24	60.46	44.37	62.34	20.30	38.63	63.99	51.40	58.24	73.92	0.00	49.21	240
Raahe	55.11	67.79	53.10	72.88	43.61	50.00	57.38	45.48	33.12	55.83	40.00	41.21	62.97	44.49	47.59	66.55	50.00	52.18	139
Raasepore	60.46	51.39	37.55	65.01	77.86	50.88	47.04	49.03	54.62	56.76	31.86	39.61	50.47	57.17	58.24	71.66	50.00	53.51	97
Raisio	64.60	62.57	65.90	78.67	80.61	5.08	49.09	54.65	60.86	57.84	40.73	42.57	47.45	17.77	38.71	67.15	0.00	49.07	246
Rantasalmi	57.52	96.88	68.42	76.48	68.97	2.11	45.32	49.51	42.46	48.47	21.33	34.43	73.91	74.23	58.21	66.56	0.00	52.05	147
Rauva	38.62	65.38	58.48	49.34	72.63	50.00	46.31	58.62	61.94	69.97	21.34	42.06	83.43	75.10	43.38	67.33	0.00	53.15	107
Ranua	68.43	59.33	59.85	75.01	60.89	53.49	48.46	58.35	60.59	63.80	41.97	34.14	58.66	57.57	53.04	65.02	50.00	57.00	31
Rautalampi	44.93	63.16	51.18	70.61	74.43	11.53	46.21	56.84	42.81	54.55	24.98	35.88	65.88	66.66	55.53	66.77	0.00	48.94	252
Rautovaara	42.70	53.85	34.23	62.92	93.16	3.66	47.05	39.55	60.63	40.89	23.41	34.34	77.94	74.56	51.03	63.02	0.00	47.23	285
Rautjärvi	63.39	49.00	54.61	74.62	62.72	1.12	47.41	49.38	29.27	40.19	22.07	33.33	62.03	75.44	52.40	72.30	50.00	49.37	237
Reisjärvi	60.00	70.99	50.27	41.33	54.37	0.82	46.67	42.66	35.17	60.42	21.45	40.39	77.62	50.81	51.73	73.74	0.00	45.79	305
Riihimäki	61.18	59.62	54.61	75.20	79.71	53.19	47.94	47.42	59.62	58.46	48.16	43.34	53.25	71.12	51.25	65.40	100.00	60.56	4
Ristijärvi	70.84	98.58	50.49	76.62	76.58	0.00	46.28	49.82	47.59	44.50	23.23	34.05	93.79	74.73	47.57	65.35	50.00	55.88	45
Rovaniemi	57.29	63.46	62.92	83.70	66.29	50.00	47.43	51.88	56.10	59.91	45.87	42.88	69.43	77.16	42.12	64.28	0.00	55.34	55
Ruokolahti	74.25	61.27	64.87	80.92	54.58	52.27	45.65	51.07	34.66	59.88	19.65	37.41	71.91	81.52	56.46	76.03	50.00	57.20	27
Ruovesi	67.12	49.22	56.38	78.21	91.64	50.45	45.34	61.43	38.93	55.90	25.86	33.48	69.19	71.88	59.37	78.36	0.00	54.87	67
Rusko	96.27	71.98	59.60	78.07	81.31	1.01	47.24	55.49	48.10	78.87	20.21	43.07	60.31	17.77	56.84	81.25	50.00	55.73	47
Rääkkylä	48.83	97.86	54.77	73.67	80.30	0.00	45.22	54.24	55.30	49.76	20.85	31.50	77.62	65.10	58.42	70.35	0.00	51.99	152
Saarijärvi	46.94	55.45	50.36	75.41	82.16	50.87	47.24	46.58	33.87	50.94	22.86	36.06	70.75	66.37	53.76	68.99	0.00	50.51	

Sastamala	61.57	60.54	52.57	75.04	68.01	52.28	47.30	57.51	49.22	59.87	26.07	36.39	55.74	53.61	60.15	71.06	0.00	52.17	141
Sauvo	80.73	51.11	65.49	68.41	36.02	0.00	45.28	53.44	40.28	57.64	20.37	38.11	50.26	17.77	53.21	82.01	50.00	47.65	272
Savitaipale	71.94	56.66	57.74	78.47	62.69	17.86	46.04	57.82	58.73	58.16	22.75	31.69	76.24	82.36	57.24	78.72	0.00	53.83	84
Savonlinna	56.65	59.38	60.27	81.70	72.18	51.86	47.25	48.53	58.57	48.22	38.54	37.63	65.08	88.40	58.92	66.08	0.00	55.25	57
Savukoski	55.42	99.38	59.05	74.46	65.26	0.38	45.44	47.02	44.75	46.11	24.88	28.92	97.09	81.10	41.95	89.19	0.00	52.97	117
Seinäjoki	62.26	62.92	61.56	81.53	74.81	50.00	48.49	53.81	40.95	62.48	41.67	42.59	56.80	40.49	49.46	69.29	0.00	52.89	120
Sievi	35.43	83.00	43.49	55.82	62.24	0.00	47.59	58.53	25.39	66.05	22.71	43.00	74.49	53.72	48.53	76.77	0.00	46.87	293
Siikainen	38.34	94.91	45.10	65.56	59.71	0.56	68.47	55.95	51.22	58.75	18.82	32.71	87.35	48.74	56.40	74.97	0.00	50.45	207
Siikajoki	52.48	76.70	47.31	60.40	55.32	0.01	52.03	53.31	35.01	64.45	22.48	38.54	74.13	52.78	47.16	74.80	0.00	47.47	278
Siikalatva	55.72	59.20	56.76	68.73	47.37	0.00	46.48	59.33	47.84	58.85	23.11	36.88	77.40	43.14	46.62	65.53	0.00	46.65	297
Sillinjärvi	77.70	70.97	65.97	70.79	77.46	53.73	47.92	52.02	55.66	63.86	33.00	43.23	50.15	63.52	53.21	66.18	0.00	55.61	50
Simo	69.48	70.60	32.57	77.53	81.24	0.00	95.93	46.73	32.69	56.68	18.48	36.75	74.45	78.50	48.93	78.07	0.00	52.86	121
Sipoo	86.67	65.98	60.88	64.21	88.57	51.81	45.51	50.93	44.06	69.67	25.76	45.91	55.90	23.70	58.89	80.08	50.00	56.97	32
Siuntio	81.82	59.71	56.04	53.13	66.60	54.00	45.85	45.28	35.37	69.03	21.48	42.23	51.53	46.20	57.45	67.31	50.00	53.12	110
Sodankylä	67.16	58.51	65.38	68.04	65.29	50.00	48.68	54.56	67.49	58.78	24.68	39.60	75.22	66.30	41.91	69.44	0.00	54.18	77
Soini	55.64	58.69	56.98	67.94	70.88	1.94	46.68	51.42	45.70	57.01	22.12	36.19	78.38	66.39	50.82	76.05	0.00	49.58	232
Somero	66.70	59.16	54.59	62.13	68.59	50.29	46.08	59.35	47.67	65.51	23.39	34.83	43.80	45.86	59.66	74.26	0.00	50.70	199
Sonkajärvi	56.42	95.04	57.69	75.34	84.08	2.01	46.47	53.13	50.10	52.08	23.05	35.63	86.37	72.38	50.83	68.53	0.00	53.48	98
Sotkamo	65.78	63.35	53.47	81.94	67.22	51.31	46.31	54.92	61.15	59.87	26.36	38.75	77.76	73.11	50.68	59.71	50.00	57.75	19
Sottunga	51.22	70.93	78.53	72.83	55.23	0.00	50.14	64.20	36.87	55.80	13.97	40.75	44.62		39.11	81.20	0.00	47.21	287
Sulkava	53.45	54.73	59.41	74.76	82.66	0.00	43.86	57.67	43.75	51.82	20.51	32.54	78.20	86.48	54.19	75.30	0.00	51.14	186
Sund	83.12	89.00	55.70	59.30	70.35	0.32	45.57	60.66	67.61	79.31	0.00	41.23	62.06	53.93	47.79	78.62	0.00	52.62	130
Suomussalmi	56.46	56.78	55.88	79.52	87.73	50.15	60.84	51.83	48.95	54.23	21.99	35.85	74.92	78.31	44.89	63.15	50.00	57.15	28
Suonenjoki	57.54	59.77	51.48	78.15	83.46	50.00	47.67	53.54	36.66	56.19	36.14	36.46	64.60	80.66	55.11	50.77	0.00	52.84	123
Sysmä	56.06	52.71	68.83	67.00	78.67	51.85	43.81	65.86	35.33	53.03	26.39	32.65	71.95	72.76	62.36	75.07	0.00	53.78	88
Säkylä	73.27	61.10	69.92	67.82	60.09	52.19	45.26	61.44	31.48	61.13	17.10	33.48	48.18	53.87	54.32	72.32	0.00	50.76	196
Taipalsaari	75.98	69.88	69.16	73.03	85.30	0.72	45.66	42.67	59.53	58.55	21.32	39.69	68.82	88.33	56.76	80.65	0.00	55.06	62
Taivalkoski	49.58	61.57	51.21	70.74	52.38	0.29	46.69	59.17	67.91	57.98	22.66	37.27	84.59	74.93	43.67	70.73	0.00	50.08	215
Taivassalo	76.66	93.52	50.55	70.51	60.10	0.00	43.90	49.00	58.56	60.55	20.14	34.93	51.34		53.81	75.55	0.00	49.94	222
Tammela	72.18	69.61	59.48	74.69	80.77	2.23	45.37	56.39	48.16	62.25	19.87	37.60	67.26	60.98	60.00	80.21	0.00	52.77	126
Tampere	44.33	53.01	59.88	87.01	73.97	53.35	49.34	52.17	58.64	53.08	56.26	43.13	39.09	65.95	56.41	69.61	100.00	59.72	5
Tervo	65.71	97.29	48.92	76.99	94.82	18.83	44.16	56.64	40.14	54.45	21.75	33.54	77.98	85.41	55.61	73.73	0.00	55.65	48
Tervola	64.26	59.49	59.13	65.93	67.48	0.00	57.61	56.17	36.73	62.52	21.97	36.34	75.25	71.56	45.56	60.46	0.00	49.44	236
Teuva	62.03	59.21	42.20	77.53	67.80	50.10	45.50	51.88	37.03	55.42	20.72	30.88	62.03	45.09	53.11	81.24	0.00	49.51	233
Tohmajärvi	51.25	61.80	49.44	75.63	55.54	1.96	46.23	53.22	26.75	48.25	20.25	34.82	69.99	68.61	56.18	64.39	50.00	49.08	245
Toholampi	56.27	60.14	50.69	55.97	67.39	50.03	46.40	54.48	43.56	64.69	21.95	38.27	74.49	73.62	48.95	78.63	0.00	52.09	145
Toivakka	69.32	68.02	53.58	74.83	67.66	16.09	46.48	50.32	62.24	53.71	21.44	40.66	79.54	61.83	57.65	76.66	0.00	52.94	118
Tornio	55.81	67.89	51.68	75.58	56.10	0.00	51.57	50.53	46.95	55.72	33.82	41.01	58.87	70.47	43.24	67.23	0.00	48.61	256
Turku	46.38	51.90	67.06	84.45	78.05	55.68	49.33	51.75	52.97	54.58	60.52	42.25	49.65	30.18	45.40	69.63	100.00	58.22	15
Tuusniemi	46.52	51.49	35.58	79.71	75.49	10.47	45.43	54.69	32.32	47.96	21.03	34.51	77.00	75.78	59.41	62.17	0.00	47.62	275
Tuusula	84.49	70.74	56.34	65.40	88.79	52.19	47.67	53.84	48.35	68.33	33.17	45.15	56.45	39.30	51.08	73.14	50.00	57.91	17
Tyrnävä	46.33	87.04	58.01	51.42	67.85	50.00	47.01	48.73	35.42	67.30	23.84	47.56	64.39	52.30	44.36	73.28	50.00	53.81	85
Ulvila	72.13	63.22	59.56	72.04	64.87	2.60	47.67	50.09	52.10	57.80	26.83	39.10	54.58	68.40	58.73	74.84	0.00	50.86	194
Urijala	47.82	58.05	62.86	62.79	65.39	51.30	45.32	51.02	38.88	49.21	19.80	32.56	55.01	38.90	60.27	65.61	0.00	47.34	281
Utajärvi	61.99	65.16	39.35	69.76	73.13	8.48	45.13	56.51	54.79	53.83	23.00	40.83	83.83	58.60	47.10	70.65	50.00	53.07	112
Utsjoki	64.98	59.15	62.35	68.65	64.57	1.74	42.70	53.47	63.00	51.49	24.34	43.64	44.99	98.71	63.52	79.77	0.00	52.18	140
Uurainen	51.09	71.09	51.00	62.27	48.74	2.01	47.28	47.22	50.66	68.48	19.87	43.77	79.54	73.76	53.94	79.11	0.00	49.99	218
Uusikaarlepyy	82.46	63.66	43.06	65.91	55.05	0.00	46.68	63.70	65.52	64.76	23.08	40.67	62.79	4.41	52.86	75.56	0.00	47.66	271
Uusikaupunki	71.97	58.68	63.18	79.77	54.34	53.82	48.09	60.80	57.80	70.13	30.73	38.20	57.07	61.37	55.24	64.16	50.00	57.37	26
Vaala	46.14	59.79	55.86	70.40	71.20	0.00	44.54	49.91	40.15	50.73	23.79	34.21	78.38	69.89	45.40	68.23	0.00	47.57	276
Vaasa	56.58	61.66	60.45	80.98	77.91	52.62	49.87	55.83	40.47	56.64	45.79	41.27	58.80	43.59	51.79	70.77	100.00	59.12	6
Valkeakoski	67.47	59.67	61.06	76.13	67.11	53.69	48.19	49.38	47.77	50.16	40.97	39.47	37.06	41.96	60.90	67.54	0.00	51.09	189
Valtimo	58.90	90.37	36.41	63.39	66.97	7.16	46.49	54.97	58.05	56.39	21.37	31.15	78.16	69.56	51.97	69.19	50.00	53.56	94
Vantaa	54.29	54.28	53.18	64.93	78.85	0.04	49.25	48.85	48.26	65.88	58.95	46.19	53.76	35.27	42.63	64.47	100.00	54.06	80
Varkaus	47.32	60.13	54.54	77.48	61.69	50.00	48.66	50.74	44.48	48.52	45.91	36.78	63.21	91.75	60.39	58.95	0.00	52.97	116
Vehmaa	68.86	92.98	51.13	66.45	60.47	2.74	44.59	57.37	46.86	69.81	19.42	29.56	56.21	70.83	54.02	79.80	0.00	51.24	183
Vesanto	62.19	96.64	45.31	66.35	72.44	0.50	46.15	56.56	44.71	46.13	22.54	29.04	79.94	77.60	55.49	72.88	0.00	51.44	174
Vesilahti	73.94	75.65	64.32	63.00	72.28	2.40	46.30	44.47	35.95	67.28	18.09	41.01	63.99	47.94	63.22	77.13	50.00	53.35	102
Veteli	70.27	57.14	54.78	77.11	43.50	1.51	45.21	55.88	37.23	57.44	17.40	38.48	71.18	42.73	51.20	74.93	0.00	46.82	294
Vieremä	64.59	61.87	59.16	70.13	52.78	0.00	45.84	66.47	43.93	59.30	22.33	38.84	82.89	70.48	52.23	71.18	0.00	50.71	198
Vihti	75.42	63.80	49.28	64.42	75.97	51.74	46.85	47.26	56.84	64.46	32.52	43.70	59.63	53.42	60.21	68.78	50.00	56.72	36
Viitasaari	55.33	55.72	43.11	70.87	94.28	50.00	47.05	49.83	34.33	49.48	26.56	37.27	73.47	72.87	53.51	68.22	0.00	51.88	154
Vimpeli</																			

Vårdö	78.94	80.53	64.06	63.95	70.30	6.86	43.06	66.57	62.77	72.87	8.81	44.50	53.71		41.03	83.08	0.00	52.56	132
Vöyri	73.48	61.19	55.15	61.99	60.63	4.61	46.16	65.89	38.28	60.78	20.09	37.82	68.86	16.79	53.75	82.93	0.00	47.55	277
Ylitornio	69.35	98.17	56.97	70.51	93.94	50.73	45.32	61.21	39.65	63.04	21.40	35.96	71.55	68.81	43.20	75.26	0.00	56.77	35
Ylivieska	53.37	69.36	52.88	71.93	70.65	51.38	50.63	50.81	38.46	62.72	27.86	41.81	63.59	37.70	50.24	64.74	0.00	50.48	205
Yläjärvi	73.45	72.38	60.29	74.02	75.21	0.00	47.46	47.27	51.19	64.66	31.14	45.15	69.80	73.85	57.37	72.59	50.00	56.81	33
Ypöjä	65.58	61.28	65.02	67.90	75.78	9.47	46.03	56.57	32.99	60.19	20.29	33.46	49.24	32.54	58.47	78.14	0.00	47.82	269
Ähtäri	61.26	59.05	57.28	74.16	77.83	50.00	46.60	55.90	47.47	55.19	37.86	37.18	69.19	69.09	51.22	67.20	0.00	53.91	82
Äänekoski	55.48	60.85	54.37	68.80	68.80	50.00	47.96	44.40	33.52	49.36	40.90	40.39	66.99	71.64	56.98	63.51	0.00	51.41	177

III c) LA-coverage-weighted score outcome matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	TOTAL	RANK
Akaa	60.98	65.39	47.50	65.03	77.09	25.72	47.64	48.07	37.44	55.36	23.56	39.65	40.41	37.28	59.51	63.68	0.00	46.72	276
Alajärvi	47.71	69.84	50.89	62.28	51.86	26.87	47.57	62.10	55.76	62.51	21.64	39.74	75.47	49.06	50.18	77.57	0.00	50.06	158
Alavieska	48.14	65.33	49.78	62.87	66.28	1.74	69.83	55.78	34.68	64.79	23.76	37.42	73.95	16.11	51.39	74.77	0.00	46.86	272
Alavus	47.02	65.62	54.23	61.01	76.35	27.49	47.29	62.45	38.23	59.62	20.37	38.57	68.46	52.03	50.61	69.46	0.00	49.34	181
Asikkala	62.74	67.24	57.34	57.36	71.53	25.72	45.21	58.33	51.02	56.84	27.67	36.00	61.41	61.43	63.43	77.48	50.00	54.75	28
Askola	76.96	70.14	55.00	57.01	62.40	2.48	46.34	52.23	37.29	62.68	17.57	42.14	55.05	33.49	54.44	70.98	0.00	46.84	273
Aura	70.98	71.43	63.14	57.07	80.56	26.94	47.34	52.35	54.73	64.00	23.13	43.38	32.09	16.11	56.91	53.70	50.00	50.82	127
Brändö	55.91	99.17	46.28	45.12	67.55	0.00	45.72	69.05	34.28	58.93	18.68	40.29	47.49		32.66	75.05	0.00	46.01	291
Eckerö	78.32	90.32	61.16	47.24	46.80	1.97	46.66	69.09	64.84	86.45	0.45	44.04	67.70	87.14	49.83	64.85	0.00	53.35	57
Enonkoski	53.86	68.72	37.94	61.08	65.88	0.81	43.89	61.86	24.41	58.84	21.55	32.96	84.99	75.52	61.12	75.75	0.00	48.78	205
Enontekiö	50.09	56.75	53.54	68.33	70.90	0.00	45.92	51.66	36.14	74.01	21.83	37.68	76.31	84.35	57.05	67.45	50.00	53.06	60
Espoo	66.95	73.73	47.74	66.72	74.41	0.05	48.72	50.79	50.84	64.35	43.64	46.72	38.64	55.41	46.32	75.28	100.00	55.90	15
Eura	67.08	71.91	52.55	53.91	58.95	27.02	46.90	63.49	47.35	64.11	21.28	34.81	55.60	52.83	56.70	71.02	0.00	49.73	164
Eurajoki	80.97	79.17	60.96	61.04	51.46	26.23	47.08	62.30	41.43	72.01	17.30	50.21	48.39	54.17	57.20	72.68	50.00	54.86	27
Evijärvi	75.12	75.01	56.19	67.20	58.66	1.39	45.95	67.89	62.34	63.95	18.92	37.07	63.01	33.69	49.76	80.15	0.00	50.37	146
Finnström	74.42	81.00	64.19	45.32	74.86	0.05	47.67	63.88	67.69	63.88	7.94	42.65	54.25	44.11	51.46	68.33	0.00	50.10	156
Forssa	49.36	75.20	49.11	56.42	80.73	15.00	48.39	60.35	58.84	54.99	43.94	37.93	35.56	28.78	59.40	67.81	50.00	51.28	111
Föglö	59.20	78.72	71.84	22.67	67.00	3.57	46.20	80.63	29.75	45.92	9.85	39.77	56.00		50.15	73.72	0.00	45.94	292
Geta	59.64	87.84	50.36	8.51	60.57	4.60	42.27	74.24	61.06	67.47	11.03	42.59	63.48		40.31	59.04	0.00	45.81	295
Haapajärvi	46.69	69.06	52.03	60.99	51.65	25.72	52.73	57.49	34.43	64.18	25.65	40.69	76.24	42.29	52.40	64.40	0.00	48.04	232
Haapavesi	48.07	72.84	51.83	65.51	68.08	47.12	47.33	56.66	35.53	59.14	22.90	41.70	75.47	33.11	47.47	69.42	0.00	49.54	173
Hailuoto	58.60	99.33	38.87	77.82	74.42	0.00	47.61	55.75	64.39	52.37	20.12	39.54	78.63		46.23	75.34	50.00	54.94	26
Halsua	58.49	49.57	51.97	37.52	52.41	0.00	44.68	65.93	38.82	51.94	17.64	38.15	77.80	52.86	46.42	76.17	0.00	44.73	307
Hamina	60.98	72.82	54.29	53.21	67.46	27.73	48.42	47.36	42.20	57.08	30.82	42.47	54.40	51.77	54.35	64.75	50.00	51.77	99
Hammarland	71.35	72.51	71.98	48.36	77.84	1.86	46.54	69.24	63.99	81.33	5.87	43.56	58.54	65.35	51.25	66.30	0.00	52.70	72
Hankasalmi	45.02	59.93	49.75	65.43	88.69	1.02	45.98	55.60	36.14	57.43	21.94	35.29	54.79	58.35	56.96	70.65	0.00	47.23	259
Hanko	63.80	88.47	56.99	44.86	61.49	4.11	48.08	42.16	47.63	55.01	36.85	34.73	40.52	65.35	51.63	67.07	50.00	50.52	141
Harjavalta	49.14	79.99	38.58	60.94	69.62	4.10	48.43	64.01	42.86	58.05	19.81	35.64	45.06	35.02	54.69	65.39	0.00	45.37	303
Hartola	33.99	69.31	56.07	53.05	73.31	1.67	45.07	55.66	32.48	57.41	24.10	34.37	75.84	65.78	61.60	64.77	0.00	47.32	256
Hattula	79.28	74.51	56.89	67.47	64.29	25.72	46.11	50.70	45.39	61.32	17.71	41.36	55.38	47.02	58.70	73.73	0.00	50.92	122
Haujärvi	75.41	58.41	64.55	59.25	77.55	31.33	47.06	52.99	38.84	57.33	24.78	40.03	35.32	43.03	55.22	71.53	0.00	48.98	199
Heinola	50.54	71.03	46.65	57.48	70.54	27.49	47.49	51.54	54.66	55.56	39.38	37.14	60.97	65.61	59.00	65.19	0.00	50.60	137
Heinävesi	35.73	53.31	47.05	51.05	72.52	0.47	45.70	53.18	31.20	52.76	25.00	34.90	80.09	82.55	59.92	65.48	0.00	46.52	284
Helsinki	52.18	74.31	47.86	62.53	75.15	25.73	50.00	60.79	57.14	62.65	58.28	42.98	24.61	41.28	33.77	71.44	100.00	55.34	22
Hirvensalmi	47.37	62.28	51.22	53.59	70.64	0.96	44.31	61.97	38.50	50.44	19.73	31.44	81.29	74.63	59.87	67.36	0.00	47.98	236
Hollola	71.82	71.80	53.72	63.00	77.35	6.06	47.43	50.84	52.55	61.70	22.94	41.81	41.09	45.84	59.71	72.47	0.00	49.42	180
Honkajoki	48.11	44.60	51.15	52.10	38.68	25.98	35.45	66.56	59.25	64.51	21.37	34.51	66.72	41.28	51.55	76.47	0.00	45.78	297
Huittinen	57.62	72.03	46.04	59.48	75.93	27.15	46.92	65.72	60.55	62.54	24.35	35.11	47.64	45.53	58.46	69.27	0.00	50.25	150
Humpppi	64.96	67.85	48.97	55.65	89.57	0.06	46.24	57.12	47.59	61.46	22.16	32.27	48.44	16.11	56.03	71.88	0.00	46.26	287
Hyrynsalmi	51.23	99.43	34.89	50.40	72.35	0.00	45.91	54.45	48.62	54.97	19.67	31.78	82.85	66.28	46.93	60.02	50.00	51.16	114
Hyvinkää	67.72	71.24	53.97	61.40	81.54	29.27	48.58	56.73	43.73	61.74	54.12	43.42	37.52	59.90	53.21	66.16	50.00	55.31	23
Hämeenkyrö	63.24	68.62	48.93	66.76	66.15	28.81	47.54	48.82	41.91	58.55	22.78	43.68	46.13	45.59	60.00	66.11	50.00	51.39	110
Hämeenlinna	59.68	74.15	48.35	62.42	79.80	25.72	47.83	54.06	53.05	60.92	31.04	41.67	43.05	54.57	61.01	67.81	0.00	50.89	125
Ii	52.27	62.74	48.81	60.73	61.52	15.04	61.00	46.57	38.27	67.29	23.07	44.76	69.59	49.64	46.04	58.06	50.00	50.32	147
Iisalmi	51.34	72.45	50.94	63.91	77.83	30.69	48.47	58.92	61.72	56.52	40.61	39.33	57.92	50.16	54.80	61.72	0.00	51.61	104
Iitti	54.67	66.51	55.26	52.13	68.41	25.72	45.91	60.31	39.95	58.38	21.47	34.12	41.75	43.00	59.48	70.58	0.00	46.92	270
Ikaalinen	55.00	64.77	41.34	54.27	68.21	25.72	45.75	52.90	57.03	59.51	23.43	36.17	44.96	55.98	58.29	56.57	0.00	47.05	265
Ilmajoki	71.26	71.99	57.55	70.64	62.29	14.30	52.66	53.78	39.43	65.12	19.93	38.33	42.50	29.84	51.81	77.94	0.00	48.20	226
Ilomantsi	48.90	83.47	41.94	56.46	76.07	26.34	47.09	53.79	56.07	56.70	22.53	35.96	57.10	64.52	50.38	66.49	50.00	52.58	75
Imatra	52.58	74.40	50.24	62.14	75.71	28.03	48.24	52.53	39.53	57.13	28.86	38.41	33.09	69.86	49.86	65.44	0.00	48.59	211
Inari	63.53	90.36	49.75	56.83	80.32	25.72	40.73	60.08	45.20	65.19	20.86	45.16	72.09	80.90	60.77	70.03	0.00	54.56	34

<i>Inkoo</i>	79.72	74.94	58.38	67.48	75.07	0.40	44.96	51.01	53.88	60.89	20.82	44.10	56.18	52.39	58.27	77.93	50.00	54.50	37
<i>Isajoki</i>	51.91	63.10	54.31	38.43	52.58	2.20	50.05	68.74	38.26	61.05	18.93	31.43	82.09	69.50	52.22	74.90	0.00	47.63	252
<i>Isokyrö</i>	61.32	71.07	59.81	60.63	56.91	33.26	45.94	61.72	40.01	62.84	14.98	36.54	54.07	21.78	51.33	78.46	0.00	47.69	249
<i>Janakkala</i>	66.22	71.69	47.12	62.89	78.16	27.14	47.30	51.89	46.13	58.64	24.59	40.39	39.54	43.63	59.66	70.63	0.00	49.16	190
<i>Joensuu</i>	34.99	78.43	49.55	72.51	75.87	28.45	48.68	55.98	55.88	59.08	35.01	42.34	49.65	62.25	53.21	63.17	100.00	56.77	5
<i>Jokioinen</i>	66.07	65.16	62.86	61.74	78.89	1.98	49.41	54.20	44.53	59.65	19.64	37.79	28.87	41.71	57.64	76.07	0.00	47.42	254
<i>Jamola</i>	91.79	76.96	71.97	63.36	85.42	0.98	47.62	77.94	77.67	78.84	18.08	47.07	59.34	43.81	51.84	68.98	0.00	56.57	8
<i>Joroinen</i>	60.19	72.63	49.35	58.75	78.98	2.41	37.53	53.72	33.12	56.14	21.46	34.64	67.66	55.78	57.02	64.64	0.00	47.30	258
<i>Joutsa</i>	39.24	79.39	48.22	49.82	70.06	25.72	44.92	55.04	45.20	57.05	23.08	37.82	72.89	65.25	60.60	68.09	0.00	49.55	172
<i>Juuka</i>	34.66	68.94	40.13	51.44	81.90	26.67	46.75	58.45	44.62	46.58	27.16	33.47	77.36	65.35	53.27	68.15	0.00	48.52	214
<i>Juupajoki</i>	56.57	54.36	46.37	62.54	68.60	2.21	46.58	61.40	42.74	44.79	18.80	35.34	71.55	61.91	58.13	72.86	0.00	47.34	255
<i>Juva</i>	57.24	78.79	56.35	60.15	83.84	26.36	46.04	61.79	40.83	62.45	23.34	34.64	77.00	68.86	57.80	63.50	0.00	52.88	68
<i>Jyväskylä</i>	46.17	72.93	54.10	70.59	83.23	25.72	48.85	54.15	53.52	59.55	38.05	42.56	45.00	56.81	56.06	66.30	100.00	57.27	3
<i>Jämijärvi</i>	62.90	70.96	45.07	64.80	78.30	0.56	62.81	56.47	62.08	59.15	19.09	33.43	52.69	47.70	53.91	78.14	0.00	49.89	162
<i>Jämsä</i>	58.00	72.37	55.67	61.49	59.26	27.39	47.23	54.05	33.83	52.23	19.88	35.89	64.50	59.13	59.46	63.11	0.00	48.44	217
<i>Järvenpää</i>	71.95	73.71	53.23	64.77	78.27	7.32	48.31	52.18	52.80	70.27	56.73	46.42	28.26	33.71	34.41	69.44	50.00	52.46	78
<i>Kaarina</i>	81.87	70.98	49.38	62.39	81.24	4.93	47.34	52.51	46.74	62.12	23.84	30.13	28.23	18.95	48.81	78.14	50.00	49.27	183
<i>Kaavi</i>	42.93	79.18	42.79	44.76	72.79	1.17	46.12	57.65	36.25	42.95	28.19	0.00	45.93	71.76	55.52	59.71	0.00	42.81	310
<i>Kajaani</i>	55.06	75.57	53.39	71.63	81.69	28.36	48.59	55.70	57.54	57.05	31.17	40.67	64.10	61.34	48.09	57.51	50.00	55.14	25
<i>Kalajoki</i>	67.81	73.91	46.60	61.44	65.24	4.17	65.94	62.61	42.82	59.84	23.19	40.95	73.73	49.10	49.76	73.60	0.00	50.63	134
<i>Kangasala</i>	78.29	73.10	53.80	67.76	71.06	28.40	47.14	50.54	50.56	65.12	39.16	44.94	43.97	51.55	61.33	73.16	50.00	55.88	16
<i>Kangasniemi</i>	53.67	74.74	45.62	52.22	73.48	26.16	45.33	54.43	41.89	60.78	21.48	34.55	77.58	73.77	58.30	69.87	0.00	50.82	126
<i>Kankaanpää</i>	54.23	77.49	59.47	63.47	71.49	26.87	50.93	59.24	65.75	60.04	31.02	36.19	60.65	47.79	53.31	73.82	0.00	52.46	79
<i>Kannonski</i>	40.35	71.25	30.76	52.46	85.82	1.55	45.97	43.59	61.58	61.32	22.91	42.56	82.45	69.82	52.45	76.03	0.00	49.46	178
<i>Kannus</i>	55.07	69.86	66.78	61.74	60.97	25.72	45.29	61.55	40.89	65.90	26.05	41.97	67.66	52.08	48.89	68.90	0.00	50.55	139
<i>Karjoki</i>	57.67	79.96	43.48	55.58	38.47	0.26	44.84	62.33	40.25	64.19	19.53	32.54	70.82	62.81	52.57	85.84	0.00	47.71	248
<i>Karkkila</i>	65.70	65.84	51.87	52.27	74.66	26.71	47.97	45.21	40.46	59.97	34.30	40.68	35.44	64.12	60.15	68.61	0.00	49.06	195
<i>Karstula</i>	58.71	70.60	43.23	58.68	75.20	25.99	47.29	55.05	67.69	58.56	20.36	35.01	74.45	51.59	52.67	73.16	0.00	51.07	115
<i>Karvia</i>	48.79	75.92	54.38	54.24	36.08	0.00	55.65	67.99	59.30	64.22	20.31	32.90	78.23	31.32	50.63	82.05	0.00	47.76	246
<i>Kaskinen</i>	71.72	99.43	39.49	61.87	59.08	0.46	42.16	54.30	44.85	56.77	21.54	32.95	45.28		35.68	88.06	0.00	47.10	262
<i>Kauhajoki</i>	49.47	65.80	42.98	64.28	64.52	26.80	48.83	55.17	40.35	55.75	19.49	37.04	63.59	48.64	49.29	69.64	0.00	47.16	260
<i>Kauhava</i>	60.66	72.11	43.89	64.50	62.07	25.74	47.23	66.71	36.75	63.58	20.17	37.36	55.23	16.72	48.97	76.35	0.00	46.94	268
<i>Kauniai</i>	85.27	36.23	53.46	74.55	80.44	0.00	48.09	46.91	33.80	56.31	56.83	39.41	25.03	21.78	28.89	92.04	50.00	48.77	206
<i>Kaustinen</i>	69.97	70.91	65.55	61.80	59.67	26.74	46.32	54.31	40.88	70.56	18.72	41.22	69.62	33.58	49.61	77.56	0.00	50.41	143
<i>Keitele</i>	59.81	75.67	43.53	57.66	65.78	3.01	47.16	68.32	41.39	60.71	27.09	33.59	79.14	65.51	56.22	75.24	0.00	50.58	138
<i>Kemi</i>	31.70	75.92	44.31	57.73	69.65	12.86	50.63	48.48	46.70	44.13	45.88	40.08	37.72	53.32	34.59	62.79	0.00	44.50	309
<i>Kemijärvi</i>	56.79	71.70	45.95	51.59	72.73	25.72	46.12	45.83	33.37	49.61	24.39	33.41	71.11	68.40	41.91	71.09	0.00	47.63	251
<i>Keminmaa</i>	69.24	75.81	52.59	69.88	63.76	0.00	46.93	50.04	47.48	57.26	22.08	40.22	63.92	54.55	46.13	73.61	0.00	49.03	198
<i>Kemiönsaari</i>	59.61	71.74	45.34	57.72	49.13	0.31	45.48	61.38	68.89	63.84	20.76	36.11	43.40	61.06	52.38	76.83	0.00	47.88	238
<i>Kempele</i>	80.79	74.26	56.92	72.64	65.53	25.72	48.19	51.76	60.52	64.27	33.44	47.25	54.65		39.39	74.58	50.00	56.24	11
<i>Kerava</i>	65.07	78.19	54.30	58.24	79.56	5.54	49.34	56.49	56.56	64.56	43.80	48.04	31.95	41.28	36.37	68.83	50.00	52.24	88
<i>Keuruu</i>	48.37	78.23	56.14	60.10	74.91	26.69	47.31	49.11	37.07	56.61	28.43	33.70	66.24	63.69	54.32	72.01	0.00	50.17	153
<i>Kihniö</i>	44.92	95.33	45.00	66.58	57.30	2.83	46.26	54.99	35.11	67.04	22.11	35.13	78.96	56.44	53.82	83.07	0.00	49.70	165
<i>Kinnula</i>	15.87	95.46	46.40	49.04	43.62	2.47	46.32	51.76	34.00	55.38	24.64	36.41	83.83	51.69	50.67	91.19	0.00	45.81	296
<i>Kirkkonummi</i>	77.79	75.55	51.39	69.07	72.25	27.64	47.20	46.38	47.19	63.00	39.18	47.94	24.78	43.38	54.53	76.43	50.00	53.75	52
<i>Kitee</i>	48.20	69.45	41.76	55.44	88.44	25.74	46.63	57.81	32.87	53.72	24.42	34.35	69.00	67.55	57.96	65.37	50.00	52.28	86
<i>Kittilä</i>	68.91	71.37	54.30	59.33	57.73	25.72	45.29	59.97	55.91	65.54	22.95	44.78	84.38	72.10	45.39	55.50	0.00	52.30	85
<i>Kiuruvesi</i>	45.68	76.40	52.46	60.53	81.65	27.61	46.68	55.62	49.21	55.64	26.10	37.29	73.73	47.55	52.90	68.21	0.00	50.43	142
<i>Kivijärvi</i>	48.06	97.21	25.30	43.44	39.51	1.33	45.29	46.84	60.59	49.77	20.67	32.93	78.16	60.33	51.48	75.99	0.00	45.70	299
<i>Kokemäki</i>	51.76	64.01	54.39	57.80	67.38	25.72	47.21	53.22	66.45	57.71	19.19	32.71	52.87	42.26	55.36	67.90	0.00	48.00	234
<i>Kokkola</i>	64.24	72.53	52.80	67.54	61.78	27.42	48.46	52.16	40.69	63.84	27.79	43.98	45.94	28.37	49.22	69.17	0.00	48.00	235
<i>Kolari</i>	62.48	82.84	45.27	65.96	62.87	0.00	33.71	59.94	48.20	64.75	21.95	40.06	79.51	66.44	42.50	79.97	0.00	50.38	145
<i>Konnevesi</i>	53.40	70.44	42.27	53.57	67.91	5.69	46.90	42.37	64.83	57.03	22.60	37.15	82.49	74.00	51.81	72.13	0.00	49.68	167
<i>Kontiolahti</i>	73.15	77.42	48.41	68.72	74.93	29.56	47.23	50.37	41.00	62.67	18.17	44.50	71.33	61.38	53.79	69.73	0.00	52.49	77
<i>Korsnäs</i>	70.19	95.25	58.51	61.92	83.52	8.79	39.38	68.87	37.02	68.92	22.79	33.43	82.49	42.43	53.93	92.23	0.00	54.10	44
<i>Koski Tl</i>	51.25	48.97	51.03	55.58	53.76	4.95	44.73	72.96	31.75	57.48	22.30	33.28	45.93	16.11	57.79	75.41	0.00	42.55	311
<i>Kotka</i>	32.84	73.97	48.17	58.82	70.74	25.72	49.15	39.00	50.02	49.54	36.17	39.80	35.93	42.43	48.79	62.51	0.00	44.92	304
<i>Kouvola</i>	57.99	72.30	45.66	61.38	77.35	25.72	47.81	53.78	41.22	54.36	25.00	37.47	42.05	57.91	56.56	66.25	0.00	48.40	218
<i>Kristiinankaupunki</i>	67.80	87.89	43.44	52.15	80.16	1.44	67.93	63.01	67.45	63.57	22.55	33.95	70.20	48.57	54.05	81.92	0.00	53.30	58
<i>Kruunupy</i>	79.77	68.72	53.27	67.11	62.66	0.00	46.08	64.50	34.42	68.31	20.52	38.55	71.18	37.74	51.62	72.99	0.00	49.26	184
<i>Kuhmo</i>	51.45	80.56	53.71	56.21	72.11	27.57	47.65	51.17	40.30	55.64	25.22	34.94	80.49	71.03	49.56	63.81			

Kurikka	59.39	67.47	43.48	64.05	63.26	14.85	47.66	57.05	41.15	60.25	22.06	37.08	62.25	33.87	51.32	72.96	0.00	46.95	267
Kustavi	51.25	96.64	49.57	52.35	51.25	33.26	37.21	61.00	81.03	57.83	19.38	38.24	49.93		54.55	85.97	0.00	51.22	112
Kuusamo	56.49	66.83	43.00	66.63	75.94	17.64	43.46	61.70	36.77	57.52	23.92	39.70	76.20	71.48	43.69	71.60	0.00	50.15	154
Kyyjärvi	66.64	68.93	42.94	46.68	55.64	0.82	47.18	45.40	64.57	56.67	19.42	42.74	80.70	42.80	50.65	78.27	0.00	47.65	250
Kärkölä	58.47	73.06	62.64	57.63	59.62	26.96	46.81	59.37	29.39	60.61	19.60	39.16	33.87	42.43	56.69	72.54	0.00	46.99	266
Kärsämäki	43.51	84.74	41.38	48.74	62.20	0.00	46.61	57.11	55.33	54.85	24.66	40.18	84.05	47.76	49.21	60.22	0.00	47.09	264
Kökar	29.02	87.76	40.93	41.26	70.23	0.00	43.89	48.56	47.95	66.16	13.07	96.49	34.30	43.57	21.18	78.00	0.00	44.85	306
Lahti	47.27	74.06	42.95	62.81	81.58	25.72	48.98	43.57	61.75	58.14	38.67	41.54	39.79	43.16	52.74	64.37	100.00	54.54	36
Laihia	75.24	71.42	52.73	66.77	65.12	26.32	47.38	51.18	41.28	61.67	19.78	39.71	65.33	38.60	56.34	75.49	0.00	50.26	149
Laitila	66.15	66.55	54.97	57.51	65.92	28.68	47.36	66.81	58.76	74.51	25.17	37.30	43.15	55.09	56.25	60.51	50.00	53.81	48
Lapinjärvi	61.00	63.59	58.39	47.28	66.72	1.90	43.86	60.12	57.56	63.44	18.67	36.36	53.85	36.21	59.23	68.64	0.00	46.87	271
Lapinlahti	47.49	76.02	52.46	60.59	63.70	26.11	46.89	55.54	47.32	54.91	24.48	38.37	70.20	52.08	56.65	64.34	0.00	49.24	186
Lappajärvi	60.65	65.85	51.12	65.55	72.00	13.78	46.31	61.01	43.10	63.46	19.20	36.27	65.92	38.59	49.80	83.66	0.00	49.19	188
Lappeenranta	51.23	77.38	53.97	66.81	72.42	25.72	49.35	52.77	42.10	61.03	31.70	41.47	42.12	52.99	54.31	65.35	100.00	55.34	21
Lapua	68.52	72.90	48.60	63.58	61.11	27.40	49.87	56.49	36.56	62.23	23.69	40.46	42.29	41.59	50.62	78.03	0.00	48.47	216
Laukaa	66.40	71.23	44.28	70.66	66.58	26.33	47.61	46.97	38.03	59.87	24.38	42.93	62.21	56.85	54.89	71.21	0.00	50.02	160
Lemi	70.54	66.96	63.14	71.40	59.03	3.12	46.80	53.57	37.18	60.55	19.66	37.07	68.46	55.49	57.54	77.77	0.00	49.90	161
Lemland	86.52	85.26	67.04	69.82	87.51	4.68	56.85	63.99	57.37	78.16	13.51	46.71	65.15		53.27	71.88	0.00	56.73	6
Lempäälä	75.81	69.97	48.34	70.83	80.25	8.35	47.84	48.21	48.56	63.50	31.09	45.67	52.87	42.52	60.84	75.52	50.00	54.13	42
Leppävirta	56.74	74.59	48.32	66.56	73.26	28.28	48.11	60.68	33.05	62.21	24.92	36.91	69.77	69.60	61.17	62.80	0.00	51.59	105
Lestijärvi	50.33	95.56	39.11	55.74	76.58	2.83	44.76	64.47	31.41	48.18	23.89	39.46	77.58	74.31	50.53	86.04	0.00	50.63	133
Lieska	29.20	74.35	46.41	56.55	76.38	26.50	47.31	56.35	45.38	46.56	30.98	33.08	71.69	66.98	52.78	65.22	50.00	51.51	106
Lieto	84.03	71.85	53.93	70.10	77.60	9.15	47.40	55.17	46.89	65.04	25.35	43.03	33.54	18.95	53.77	77.71	50.00	51.97	96
Liminka	68.74	71.66	44.42	75.01	64.19	25.72	47.52	53.84	34.84	68.27	28.22	51.19	67.08	33.10	43.69	72.52	50.00	52.94	64
Liperi	56.48	80.31	54.29	69.87	83.62	3.53	45.94	52.63	36.31	58.65	18.72	41.95	65.33	57.96	57.64	66.31	50.00	52.91	67
Lohja	69.76	62.02	46.61	56.65	84.55	15.25	46.97	52.46	57.07	60.69	25.81	41.97	47.78	56.17	59.00	67.01	50.00	52.93	66
Loimaa	57.55	73.76	42.50	57.64	70.29	28.94	46.54	64.20	49.96	61.01	29.69	37.22	28.05	16.11	56.25	64.39	50.00	49.07	194
Loppi	70.10	64.17	59.27	62.20	76.36	26.49	45.63	57.11	42.09	63.61	22.58	40.23	62.39	61.02	60.38	76.29	0.00	52.35	83
Lovisa	58.67	76.27	49.17	49.85	58.56	10.62	45.73	57.12	66.46	58.59	29.94	39.87	36.80	46.63	58.10	71.56	0.00	47.88	240
Luhanka	54.01	96.98	30.52	46.37	68.78	0.38	71.00	62.39	58.67	41.70	19.71	30.89	88.52	40.73	59.87	84.53	0.00	50.30	148
Lumijoki	58.59	62.29	40.35	48.61	47.98	0.00	47.75	56.06	31.58	63.55	26.04	47.17	66.35	16.11	46.38	74.46	50.00	46.07	290
Lumparland	100.00	97.39	76.31	60.06	60.24	2.41	48.42	56.27	60.02	92.44	9.51	61.63	63.81		49.64	78.51	0.00	57.29	2
Luoto	86.54	78.33	39.41	77.81	74.59	29.84	48.59	59.46	52.43	78.43	23.84	49.95	74.27	37.57	51.42	97.06	0.00	56.44	9
Luumäki	69.09	73.33	55.45	61.21	81.28	27.91	45.20	62.64	40.10	53.37	21.79	35.50	67.44	52.35	57.17	62.20	0.00	50.94	119
Maalahti	71.27	86.66	59.48	56.06	76.53	29.34	42.51	57.32	45.63	68.22	19.67	37.92	70.20	12.79	52.61	88.23	0.00	51.44	109
Maarianhamina	70.10	86.67	65.41	56.05	69.45	28.20	49.09	81.53	45.50	63.83	30.19	36.22	7.81		20.35	62.63	50.00	51.44	108
Marttila	60.29	89.28	66.55	58.74	75.28	20.75	43.31	62.03	62.40	58.56	17.98	27.03	46.88	16.11	55.04	71.37	0.00	48.92	201
Masku	91.41	75.23	60.18	75.17	73.39	25.72	46.56	48.94	52.54	69.67	19.90	43.12	38.10	38.06	54.37	77.60	50.00	55.29	24
Merijärvi	28.63	62.94	44.24	52.37	52.94	6.20	61.84	61.63	30.94	65.06	26.03	41.10	83.68	41.13	51.27	80.70	0.00	46.51	285
Merikarvia	45.71	74.79	42.76	48.97	61.34	1.37	46.02	61.85	32.98	56.55	23.93	37.19	75.25	51.14	56.75	77.16	0.00	46.69	277
Miehikkälä	43.07	71.31	34.94	50.45	78.59	24.16	45.83	58.18	28.09	56.80	18.51	34.32	71.95	44.72	57.20	73.52	0.00	46.57	283
Mikkeli	59.73	78.01	50.87	66.21	77.59	34.92	47.86	55.19	47.81	57.70	41.43	40.21	49.56	70.07	58.44	64.37	0.00	52.94	65
Muhos	56.28	66.21	46.91	68.90	67.67	12.86	46.92	47.91	34.95	56.96	26.22	45.07	62.97	57.85	43.68	71.28	50.00	50.74	130
Multia	35.75	79.64	33.71	60.37	75.02	0.30	46.85	66.28	62.15	45.63	20.87	31.65	88.88	62.20	52.64	68.73	0.00	48.86	203
Muonio	57.66	76.95	43.86	40.23	57.01	0.11	43.63	58.65	33.76	45.37	17.92	41.11	83.21	76.68	40.97	61.93	0.00	45.83	294
Mustasaari	87.23	73.82	42.28	71.95	74.08	4.50	47.04	51.77	41.89	69.90	22.90	42.81	64.35	38.05	55.95	86.45	0.00	51.47	107
Muurame	85.22	71.41	58.83	72.34	88.97	28.04	47.60	52.35	43.23	61.84	27.02	44.96	64.14	69.51	60.23	75.56	0.00	55.96	14
Mynämäki	73.63	73.86	59.99	58.97	75.42	75.72	45.98	55.99	47.55	65.14	18.88	38.77	46.47	42.43	57.57	54.50	50.00	55.34	20
Myrskylä	66.85	67.95	45.50	62.46	60.43	0.49	45.76	55.36	51.50	67.49	19.86	37.59	56.00	27.85	54.38	69.29	0.00	46.40	286
Mäntsälä	78.31	67.44	50.55	60.88	76.11	25.72	47.35	54.70	51.76	66.19	26.54	44.68	39.98	38.26	57.65	61.58	50.00	52.81	70
Mänttä-Vilppula	53.68	76.63	52.73	62.67	67.66	25.98	47.77	52.46	48.88	53.96	28.74	34.79	61.77	73.47	57.59	66.38	0.00	50.89	124
Mäntyharju	53.75	57.20	50.95	59.83	70.34	26.11	44.93	56.99	34.53	58.84	24.83	35.14	74.64	80.52	57.95	67.15	0.00	50.22	151
Naantali	76.09	79.00	48.79	66.96	67.40	3.60	47.40	56.37	64.97	60.45	28.87	42.79	41.13	0.00	54.31	79.37	50.00	51.03	116
Nakkila	55.97	81.87	54.44	67.44	77.81	1.04	47.46	56.30	48.59	60.83	19.81	36.42	45.09	27.64	56.34	75.60	0.00	47.80	244
Nivala	54.44	68.20	50.03	67.81	63.75	25.72	47.54	53.24	42.66	63.38	21.61	41.98	61.88	26.69	52.02	72.97	0.00	47.88	239
Nokia	71.44	67.41	49.61	66.88	66.59	25.72	48.24	50.91	46.85	62.29	40.51	44.70	51.09	53.50	57.59	70.99	50.00	54.37	38
Nousiainen	83.34	75.99	64.67	65.58	67.09	0.00	46.95	53.74	48.02	70.36	17.58	35.43	44.37	38.46	55.17	77.62	50.00	52.61	74
Nurmes	46.60	68.96	45.94	57.93	72.20	26.78	47.97	58.92	50.24	58.38	28.93	34.09	70.53	65.91	52.22	62.22	50.00	52.81	69
Nurmijärvi	83.21	65.16	55.09	63.89	73.96	30.56	47.14	50.69	45.71	67.18	33.52	45.25	33.68	49.97	50.57	72.70	50.00	54.02	45
Närpiö	71.34	84.23	54.72	52.91	71.28	25.72	2.85	72.86	45.23	69.91	23.37	38.82	67.30	29.85	53.29	80.92	0.00	49.68	166
Orientali	58.08	68.02	58.78	56.64	69.80	25.72	46.50	54.64	49.08	55.64	25.67	38.58	36.25	32.24	53.14	66.25	0.00	46.77	275
Oripää	53.91	93.70	49.85	44.29	64.96	8.84	36.47	64.46	52.29	62.85	21.34	39.06	45.13	22.25	54.56	79.00	0.00	46.64	279
Orivesi	52.38																		

<i>Outokumpu</i>	32.45	61.53	49.08	57.08	74.15	26.86	48.07	56.26	29.85	51.21	31.32	37.37	66.46	49.24	56.05	64.91	50.00	49.52	174
<i>Padasjoki</i>	58.74	67.91	39.63	43.73	75.54	0.86	43.77	56.67	36.94	50.46	23.22	35.93	48.83	54.21	64.83	77.62	50.00	48.76	207
<i>Paimio</i>	73.34	70.69	51.94	66.98	88.92	25.72	47.79	49.43	39.87	65.31	26.05	42.40	37.04	16.11	52.51	75.31	50.00	51.73	100
<i>Paltamo</i>	48.88	79.80	53.62	47.88	60.42	4.18	46.24	51.38	31.20	49.90	23.29	36.11	80.70	66.12	48.62	62.36	50.00	49.45	179
<i>Parainen</i>	78.04	68.25	46.28	69.43	69.32	3.94	45.55	58.20	54.31	61.28	20.04	41.95	41.76		55.61	73.95	0.00	49.25	185
<i>Parikkala</i>	55.70	77.94	48.28	56.44	75.67	29.78	46.52	62.36	40.49	51.46	23.49	30.15	71.58	60.21	58.71	70.92	50.00	53.51	55
<i>Parkano</i>	49.22	62.45	46.64	55.32	58.31	27.78	47.78	58.20	59.11	61.12	21.24	36.49	68.42	60.07	53.15	43.82	0.00	47.60	253
<i>Pedersören kunta</i>	86.93	78.28	60.30	65.89	72.85	25.72	47.75	68.40	33.04	72.47	18.59	44.53	75.87	30.71	52.75	93.11	0.00	54.54	35
<i>Pelkosenniemi</i>	39.98	99.61	36.11	63.67	72.04	25.72	34.64	54.50	58.50	60.63	22.31	36.78	78.34	67.14	41.17	74.71	0.00	50.93	121
<i>Pello</i>	64.41	71.44	45.04	53.06	78.84	0.00	45.81	61.44	53.44	60.91	23.70	34.03	80.31	65.32	42.41	81.24	0.00	50.67	132
<i>Perho</i>	43.78	69.01	55.12	50.74	72.68	0.53	58.48	60.95	43.60	64.26	25.01	45.01	79.72	54.59	49.20	78.88	0.00	50.09	157
<i>Pertunmaa</i>	44.11	80.34	41.14	29.52	62.76	0.00	43.74	60.50	38.23	52.24	19.37	33.73	83.83	75.53	58.04	69.06	0.00	46.60	281
<i>Petäjävesi</i>	59.53	84.73	51.48	64.46	62.55	3.72	47.25	52.16	64.82	56.19	21.60	45.40	80.12	56.07	55.87	75.21	0.00	51.83	98
<i>Pieksämäki</i>	50.75	73.22	46.99	62.68	74.77	25.72	47.80	55.89	29.47	57.89	39.38	35.77	63.52	67.26	55.36	59.05	0.00	49.74	163
<i>Pielavesi</i>	45.44	70.01	42.71	59.32	85.69	26.61	46.95	59.92	33.54	61.19	23.07	33.12	84.23	69.19	54.72	74.46	0.00	51.19	113
<i>Pietarsaari</i>	59.28	76.99	41.14	55.74	61.55	29.04	48.69	66.58	58.54	59.92	33.83	42.96	47.78	25.80	43.56	73.37	0.00	48.52	215
<i>Pihtipudas</i>	43.82	61.67	44.77	57.58	46.24	25.72	46.78	56.20	64.34	55.33	23.12	33.13	79.72	62.40	52.90	71.91	0.00	48.57	212
<i>Pirkkala</i>	80.57	75.98	55.01	70.49	81.01	2.38	48.35	51.83	55.87	60.91	42.59	48.46	39.18	47.38	53.42	81.14	50.00	55.56	18
<i>Polvijärvi</i>	34.75	68.04	50.37	60.18	46.48	1.52	46.47	60.00	36.56	57.10	20.83	36.94	81.50	59.20	53.52	72.00	0.00	46.20	288
<i>Pomarkku</i>	48.86	75.95	49.96	51.37	56.34	0.07	46.81	57.74	68.95	52.73	22.51	37.28	70.17	39.98	60.39	73.32	0.00	47.79	245
<i>Pori</i>	56.30	77.72	45.07	63.53	81.00	27.00	49.46	53.18	60.24	55.97	31.84	39.36	47.57	45.35	56.96	67.85	100.00	56.38	10
<i>Pornainen</i>	78.77	57.90	52.38	62.11	77.33	26.09	46.30	50.31	45.76	65.46	18.71	44.80	45.77	35.18	57.99	76.17	50.00	52.41	81
<i>Porvoo</i>	69.74	71.60	53.96	61.79	68.03	30.69	47.89	57.29	46.85	60.48	30.27	44.01	48.18	44.27	56.07	72.67	50.00	53.75	51
<i>Posio</i>	43.41	99.17	38.91	59.25	84.62	0.00	53.21	44.68	33.00	56.47	24.94	36.39	85.17	67.39	42.56	66.34	0.00	49.15	191
<i>Pudasjärvi</i>	42.04	63.77	36.71	60.51	82.84	25.88	45.94	55.51	66.03	60.82	26.06	40.18	82.85	66.78	45.25	64.80	0.00	50.94	120
<i>Pukila</i>	69.00	46.71	61.32	64.52	54.83	0.00	45.14	54.15	38.97	59.67	22.89	39.62	51.16	30.16	54.00	71.18	0.00	44.90	305
<i>Punkalaidun</i>	47.86	71.48	54.58	50.28	86.11	1.45	45.24	66.72	50.21	51.48	19.69	32.67	36.97	18.95	57.73	81.91	0.00	45.49	301
<i>Puolanka</i>	53.52	73.13	43.51	53.94	94.08	1.40	45.61	54.22	41.16	49.23	25.15	36.27	81.69	69.27	45.65	67.13	50.00	52.06	94
<i>Puumala</i>	65.77	78.23	42.65	57.63	75.30	0.00	40.15	63.18	38.09	58.10	21.63	28.82	81.47	82.91	57.25	74.25	0.00	50.91	123
<i>Pyhtää</i>	73.12	75.48	65.23	54.82	68.31	25.90	45.71	45.19	43.34	53.26	17.96	35.39	60.83	41.34	56.44	71.32	0.00	49.04	197
<i>Pyhäjoki</i>	74.29	78.84	48.81	73.34	48.18	0.00	63.84	54.14	35.93	67.94	22.68	39.75	79.94	45.76	50.14	79.87	0.00	50.79	128
<i>Pyhäjärvi</i>	53.36	70.85	48.44	64.76	75.04	12.86	47.11	56.60	57.21	61.20	24.30	38.51	80.31	58.43	51.16	64.10	50.00	53.78	50
<i>Pyhäntä</i>	77.38	76.14	51.14	63.90	59.50	26.61	47.29	70.45	22.33	66.64	25.69	42.51	77.76	44.16	47.26	79.80	0.00	51.68	102
<i>Pyhärinta</i>	81.63	75.96	62.40	68.02	75.14	11.85	46.10	56.91	35.46	75.46	15.01	35.65	70.02	49.65	55.97	72.50	0.00	52.22	89
<i>Pälkäne</i>	64.52	74.18	60.15	53.73	62.94	26.77	44.75	60.43	46.06	60.36	21.03	37.61	60.43	57.29	65.98	70.40	0.00	50.98	118
<i>Pöytyä</i>	64.75	81.24	57.57	52.22	65.91	0.94	45.24	62.96	44.37	62.91	20.30	38.63	63.99	45.29	58.24	73.92	0.00	49.32	182
<i>Raahе</i>	54.05	69.19	43.79	65.85	45.58	25.72	57.38	49.17	33.12	56.41	22.97	41.47	62.97	39.43	47.59	66.55	50.00	48.90	202
<i>Raasepori</i>	56.94	67.35	37.72	53.56	78.08	26.60	47.04	51.89	54.62	59.03	31.86	40.51	50.47	50.69	58.24	71.66	50.00	52.13	93
<i>Raisio</i>	64.35	80.22	52.88	67.84	80.62	5.08	49.09	57.62	60.86	60.49	27.69	42.89	29.04	16.11	38.71	67.15	0.00	47.10	263
<i>Rantasalmi</i>	51.33	96.88	52.63	58.81	69.23	2.11	45.32	51.77	42.46	52.84	21.33	34.43	73.91	65.72	58.21	66.56	0.00	49.62	170
<i>Ranua</i>	36.47	49.90	46.60	54.94	71.98	25.72	46.31	60.75	61.54	66.01	21.34	42.06	83.43	66.67	43.38	67.33	0.00	49.67	168
<i>Rauma</i>	65.06	77.14	48.51	60.81	62.20	29.22	48.46	61.61	60.99	70.26	27.55	34.57	35.85	50.97	53.04	65.02	50.00	53.01	61
<i>Rautalampi</i>	36.64	79.19	47.71	57.35	74.25	11.53	46.21	59.42	42.81	56.52	24.98	35.88	65.88	58.76	55.53	66.77	0.00	48.20	224
<i>Rautavaara</i>	31.98	76.55	25.26	41.36	93.05	3.66	47.05	41.22	60.63	47.76	23.41	34.34	77.94	66.16	51.03	63.02	0.00	46.14	289
<i>Rautjärvi</i>	54.45	60.92	52.87	57.60	62.57	1.12	47.41	51.42	29.27	42.83	22.07	33.33	62.03	66.84	52.40	72.30	50.00	48.20	225
<i>Reisjärvi</i>	57.70	70.39	53.40	44.69	56.23	0.82	46.67	45.71	35.17	56.00	21.45	40.39	77.62	44.98	51.73	73.74	0.00	45.69	300
<i>Riihimäki</i>	60.36	67.32	46.46	64.22	80.58	28.91	47.94	50.48	59.62	62.61	48.16	44.14	32.25	62.77	51.25	65.40	100.00	57.21	4
<i>Ristijärvi</i>	66.74	98.58	41.51	56.00	76.77	0.00	46.28	51.84	47.59	48.87	23.23	34.05	93.79	66.43	47.57	65.35	50.00	53.80	49
<i>Rovaniemi</i>	55.58	76.40	52.18	72.30	68.74	25.72	47.43	55.36	56.10	63.97	45.87	43.25	50.55	68.60	42.12	64.28	0.00	52.26	87
<i>Ruokolahti</i>	69.25	81.72	63.96	63.35	55.19	27.99	45.65	52.72	34.66	65.25	19.65	37.41	71.91	72.31	56.46	76.03	50.00	55.50	19
<i>Ruovesi</i>	60.22	54.84	52.72	60.50	91.74	26.17	45.34	64.64	38.93	61.47	25.86	33.48	69.19	63.85	59.37	78.36	0.00	52.16	91
<i>Rusko</i>	95.25	73.44	67.33	75.08	82.04	1.01	47.24	57.51	48.10	74.12	20.21	43.07	40.83	16.11	56.84	81.25	50.00	54.67	31
<i>Rääkkylä</i>	37.79	97.86	43.84	55.67	80.22	0.00	45.22	55.82	55.30	54.56	20.85	31.50	77.62	57.53	58.42	70.35	0.00	49.56	171
<i>Saarijärvi</i>	40.70	64.23	46.82	60.78	82.29	26.60	47.24	49.44	33.87	54.77	22.86	36.99	70.75	58.84	53.76	68.99	0.00	48.17	227
<i>Salla</i>	60.71	71.48	33.11	54.20	73.86	25.72	45.37	48.84	31.78	49.25	23.80	27.93	81.47	73.05	42.37	69.95	0.00	47.82	243
<i>Salo</i>	56.95	67.34	45.27	57.20	85.87	27.71	47.50	54.15	58.55	54.89	31.85	37.99	34.62	40.67	57.94	69.80	0.00	48.72	208
<i>Saltvik</i>	78.98	51.10	62.39	46.87	81.22	9.06	46.48	66.99	61.89	79.67	9.14	42.49	50.00	63.52	44.78	66.84	0.00	50.67	131
<i>Sastamala</i>	57.57	74.26	41.86	63.09	68.88	28.01	47.30	60.34	49.22	62.56	26.07	36.72	42.31	47.36	60.15	71.06	0.00	49.22	187
<i>Sauvo</i>	78.83	67.25	55.23	60.91	37.67	0.00	45.28	55.50	40.28	59.65	20.37	38.11	37.63	16.11	53.21	82.01	50.00	46.94	269
<i>Savitaipale</i>	66.42	78.71	53.80	65.32	63.11	17.86	46.04	60.48	58.73	65.22	22.75	31.69	76.24	73.00	57.24	78.72	0.00	53.84	47
<i>Savonlinna</i>	50.76	78.28	54.65	64.59	72.53	27.58	47.25	51.81	58.57	52.58	26.49	37.63	65.08	78					

Siikajoki	53.17	73.74	49.46	61.48	56.39	0.01	52.03	55.93	35.01	60.61	22.48	38.54	74.13	46.53	47.16	74.80	0.00	47.15	261
Siikalatva	50.77	57.31	57.16	58.16	48.79	0.00	46.48	62.40	47.84	60.60	23.11	36.88	77.40	38.19	46.62	65.53	0.00	45.72	298
Siilinjärvi	77.66	76.01	51.85	68.70	77.80	29.46	47.92	54.46	55.66	62.44	24.66	43.23	50.15	56.43	53.21	66.18	0.00	52.69	73
Simo	65.73	75.47	34.82	70.99	81.18	0.00	95.93	47.98	32.69	57.95	18.48	36.75	74.45	69.86	48.93	78.07	0.00	52.31	84
Sipoo	86.19	70.94	53.94	62.86	89.23	27.53	45.51	52.73	44.06	66.00	25.76	46.87	39.37	21.10	58.89	80.08	50.00	54.18	40
Siuntio	81.68	61.76	55.48	53.16	69.37	29.72	45.85	47.01	35.37	67.10	21.48	43.29	51.53	41.09	57.45	67.31	50.00	51.68	101
Sodankylä	64.86	79.08	53.23	53.78	66.38	25.72	48.68	57.74	67.49	59.32	24.68	39.60	75.22	59.16	41.91	69.44	0.00	52.13	92
Soini	50.20	58.34	51.42	59.62	70.79	1.94	46.68	54.05	45.70	55.46	22.12	36.19	78.38	58.95	50.82	76.05	0.00	48.04	231
Somero	61.70	72.76	44.38	54.41	69.90	26.01	46.08	62.01	47.67	65.08	23.39	34.83	36.15	40.56	59.66	74.26	0.00	48.17	228
Sonkajärvi	51.25	95.04	53.06	59.97	84.13	2.01	46.47	55.53	50.10	56.79	23.05	35.63	86.37	64.25	50.83	68.53	0.00	51.94	97
Sotkamo	63.56	74.77	55.60	69.47	67.44	27.03	46.31	57.85	61.15	63.32	26.36	38.75	77.76	64.97	50.68	59.71	50.00	56.16	12
Sottunga	51.22	70.93	54.24	51.61	60.09	0.00	50.14	64.12	36.87	55.16	13.97	40.75	44.62	39.11	81.20	0.00	44.63	308	
Sulkava	46.58	65.11	40.06	60.51	82.67	0.00	43.86	60.17	43.75	55.51	20.51	32.54	78.20	76.70	54.19	75.30	0.00	49.16	189
Sund	80.66	89.00	73.96	54.27	76.11	0.32	45.57	61.69	67.61	78.93	0.00	41.23	62.06	46.99	47.79	78.62	0.00	53.22	59
Suomussalmi	50.51	71.92	53.80	60.34	87.69	25.88	60.84	54.24	48.95	60.56	21.99	35.85	57.76	69.64	44.89	63.15	50.00	54.00	46
Suonenjoki	53.99	73.16	48.87	62.23	83.76	25.72	47.67	56.47	36.66	60.95	26.55	36.46	50.94	71.58	55.11	50.77	0.00	49.46	176
Sysmä	47.96	63.12	50.45	51.22	78.52	27.57	43.81	68.13	35.33	57.53	26.39	32.65	71.95	64.70	62.36	75.07	0.00	50.40	144
Säkylä	69.78	79.25	57.39	53.28	61.59	27.92	45.26	64.52	31.48	63.86	17.10	33.48	48.18	47.62	54.32	72.32	0.00	48.67	210
Taipalsaari	74.88	70.92	75.90	66.78	85.95	0.72	45.66	44.99	59.53	58.15	21.32	39.69	68.82	76.96	56.76	80.65	0.00	54.57	32
Taivalkoski	44.97	63.56	45.84	68.73	51.94	0.29	46.69	61.80	67.91	57.01	22.66	37.27	84.59	66.70	43.67	70.73	0.00	49.08	193
Taivassalo	72.19	93.52	50.31	51.08	62.61	0.00	43.90	51.59	58.56	66.51	20.14	34.93	51.34	53.81	75.55	0.00	49.13	192	
Tammela	69.73	83.24	59.09	65.39	81.77	2.23	45.37	58.76	48.16	62.65	19.87	38.88	67.26	54.23	60.00	80.21	0.00	52.76	71
Tampere	41.31	78.28	44.11	68.30	74.74	29.07	49.34	56.53	58.64	60.47	48.48	43.53	25.06	58.46	56.41	69.61	100.00	56.61	7
Tervo	59.26	97.29	45.76	60.70	94.92	18.83	44.16	58.82	40.14	64.22	21.75	33.54	77.98	76.08	55.61	73.73	0.00	54.28	39
Tervola	59.19	61.92	47.12	61.46	67.22	0.00	57.61	58.44	36.73	63.47	21.97	36.34	75.25	63.56	45.56	60.46	0.00	48.02	233
Teuva	56.66	74.80	38.70	63.86	68.54	25.82	45.50	54.84	37.03	56.84	20.72	30.88	62.03	40.88	53.11	81.24	0.00	47.73	247
Tohmajärvi	46.04	86.28	42.69	59.90	55.48	1.96	46.23	55.79	26.75	50.47	20.25	34.82	69.99	60.94	56.18	64.39	50.00	48.71	209
Toholampi	53.71	54.57	53.14	57.00	68.87	25.75	46.40	57.49	43.56	64.16	21.95	38.27	74.49	65.43	48.95	78.63	0.00	50.14	155
Touvakkala	67.02	80.66	62.77	66.28	69.19	16.09	46.48	52.51	62.24	59.27	21.44	40.66	79.54	54.71	57.65	76.66	0.00	53.72	53
Tornio	54.26	74.61	42.97	67.88	57.34	0.00	51.57	53.95	46.95	56.82	33.82	41.01	58.87	62.53	43.24	67.23	0.00	47.83	242
Turku	39.92	78.65	46.68	65.82	79.49	31.40	49.33	55.76	52.97	62.21	47.10	42.50	27.10	26.62	45.40	69.63	100.00	54.15	41
Tuusniemi	38.58	58.59	37.44	63.29	75.03	10.47	45.43	56.22	32.32	55.31	21.03	34.51	77.00	66.03	59.41	62.17	0.00	46.64	280
Tuusula	84.66	70.67	51.15	64.37	89.56	27.91	47.67	55.94	48.35	65.19	33.17	45.15	34.45	35.20	51.08	73.14	50.00	54.57	33
Tyrnävä	55.71	65.82	51.88	67.51	69.54	25.72	47.01	50.51	35.42	59.59	23.84	47.56	64.39	46.09	44.36	73.28	50.00	51.66	103
Ulvila	70.33	70.93	52.54	62.43	65.42	2.60	47.67	52.88	52.10	59.32	26.83	39.10	54.58	60.71	58.73	74.84	0.00	50.06	159
Urijala	42.51	77.53	57.45	48.67	66.47	27.02	45.32	53.80	38.88	54.58	19.80	32.56	55.01	34.34	60.27	65.61	0.00	45.87	293
Utajärvi	58.23	62.75	45.41	65.23	73.10	8.48	45.13	59.32	54.79	53.55	23.00	40.83	83.83	52.28	47.10	70.65	50.00	52.57	76
Utsjoki	59.41	66.63	52.93	47.83	65.70	1.74	42.70	56.46	63.00	58.75	24.34	43.64	44.99	87.78	63.52	79.77	0.00	50.54	140
Uurainen	53.52	61.54	54.11	59.45	51.56	2.01	47.28	49.47	50.66	69.03	19.87	45.22	79.54	65.55	53.94	79.11	0.00	49.52	175
Uusikaarlepyy	79.49	76.07	45.77	56.07	61.03	0.00	46.68	66.00	65.52	66.42	23.08	40.67	62.79	4.00	52.86	75.56	0.00	48.35	219
Uusikaupunki	68.87	76.29	55.73	62.51	58.69	29.55	48.09	63.85	57.80	75.67	30.73	38.79	39.28	54.28	55.24	64.16	50.00	54.68	30
Vaala	39.00	67.32	57.36	58.04	70.94	0.00	44.54	52.10	40.15	51.99	23.79	34.21	78.38	62.05	45.40	68.23	0.00	46.68	278
Vaasa	53.71	78.52	52.01	68.06	78.47	28.34	49.87	59.13	40.47	61.16	37.01	41.62	36.29	38.20	51.79	70.77	100.00	55.61	17
Valkeakoski	65.44	66.91	47.73	63.60	67.43	29.42	48.19	52.35	47.77	52.96	40.97	39.84	37.06	37.10	60.90	67.54	0.00	48.54	213
Valtimo	52.66	90.37	32.09	46.71	66.77	7.16	46.49	57.20	58.05	63.46	21.37	31.15	78.16	61.88	51.97	69.19	50.00	52.04	95
Vantaa	56.76	66.05	47.98	56.34	80.78	0.04	49.25	51.64	48.26	67.97	48.36	46.51	32.31	31.53	42.63	64.47	100.00	52.41	82
Varkaus	41.79	77.95	41.60	61.80	61.78	25.72	48.66	54.14	44.48	53.45	28.49	36.78	42.58	81.60	60.39	58.95	0.00	48.24	223
Vehmaa	65.61	92.98	50.93	56.93	63.45	2.74	44.59	59.94	46.86	75.12	19.42	29.56	56.21	62.52	54.02	79.80	0.00	50.63	135
Vesanto	55.42	96.64	39.06	50.21	72.17	0.50	46.15	58.86	44.71	51.30	22.54	29.04	79.94	68.82	55.49	72.88	0.00	49.63	169
Vesilahti	74.43	66.56	67.74	65.32	75.69	2.40	46.30	46.71	35.95	63.10	18.09	41.01	63.99	42.63	63.22	77.13	50.00	52.96	63
Veteli	66.23	66.19	59.64	69.83	47.66	1.51	45.21	58.45	37.23	61.48	17.40	38.48	71.18	37.86	51.20	74.93	0.00	47.32	257
Vieremä	60.84	84.45	57.33	58.70	56.44	0.00	45.84	70.10	43.93	59.52	22.33	38.84	82.89	62.63	52.23	71.18	0.00	51.01	117
Vihti	75.75	65.69	52.85	61.22	76.86	27.47	46.85	49.64	56.84	63.17	32.52	43.70	40.92	47.59	60.21	68.78	50.00	54.12	43
Viitasaari	46.60	68.45	39.98	55.68	94.32	25.72	47.05	52.56	34.33	52.56	26.56	37.27	73.47	64.60	53.51	68.22	0.00	49.46	177
Vimpeli	58.79	65.17	56.42	63.14	56.71	27.16	46.97	56.32	42.34	64.74	19.01	38.60	56.94	46.09	49.44	84.38	0.00	48.95	200
Virolahti	55.68	77.91	54.27	60.04	70.58	1.86	43.94	53.12	26.16	57.09	15.66	37.66	59.48	48.32	55.28	55.54	0.00	45.45	302
Virrat	46.49	65.92	44.60	59.21	78.40	26.55	46.37	63.02	48.77	59.11	23.49	36.01	65.48	60.58	54.86	74.75	0.00	50.21	152
Vårdö	73.00	80.53	68.05	54.99	74.06	6.86	43.06	68.37	62.77	72.23	8.81	44.50	53.71	41.03	83.08	0.00	52.19	90	
Vöyri	69.63	79.61	53.92	53.32	64.39	4.61	46.16	68.29	38.28	62.42	20.09	37.82	68.86	14.67	53.75	82.93	0.00	48.16	229
Ylitornio	63.86	98.17	39.99	58.93	93.90	26.46	45.32	63.63	39.65	62.61	21.40	35.96	71.55	61.15	43.20	75.26	0.00	53.00	62
Ylivieska	53.14	71.23	56.79	67.97	72.40	27.10	50.63	54.15	38.46	63.32	27.86	42.21	47.81	33.30	50.24	64.74	0.00	48.31	221
Yläjärvi	74.13	74.11	51.58	70.47	76.23	0.00	47.46	49.86	51.19	63.23	31.14	45.52	49.21	65.59	57.37	72.59	50.00	54.69	29
Ypjä	60.88	79.62																	

III d) Indicator-coverage-weighted score outcome matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	TOTAL	RANK
Akaa	20.70	17.03	6.93	14.73	25.67	12.50	15.86	9.61	12.47	14.19	3.93	19.82	6.74	10.52	14.88	12.74	0.00	12.84	224
Alajärvi	16.32	18.29	6.04	14.23	17.27	12.79	15.84	12.42	18.57	16.03	3.61	19.87	12.58	13.78	12.54	15.51	0.00	13.28	176
Alavieska	16.53	16.92	5.98	13.07	22.07	0.44	23.25	11.16	11.55	16.62	3.96	18.71	12.33	4.44	12.85	14.95	0.00	12.05	286
Alavus	16.00	17.13	6.50	13.98	25.43	12.94	15.75	12.49	12.73	15.33	3.39	19.28	11.41	14.65	12.65	13.89	0.00	13.15	188
Asikkala	21.44	17.64	6.81	12.93	23.82	12.50	15.05	11.67	16.99	14.54	4.61	18.00	10.24	17.28	15.86	15.50	50.00	16.76	41
Askola	26.22	18.60	7.44	12.84	20.78	0.62	15.43	10.45	12.42	16.09	2.93	21.07	9.18	9.45	13.61	14.20	0.00	12.43	261
Aura	24.10	18.79	7.46	12.82	26.83	12.80	15.76	10.47	18.22	16.27	3.86	21.69	7.53	4.44	14.23	10.74	50.00	16.24	59
Brändö	18.69	24.79	5.14	9.02	22.49	0.00	15.23	13.81	11.41	14.89	3.11	20.14	7.92		8.16	15.01	0.00	11.86	298
Eckerö	26.22	22.58	6.79	9.45	15.59	0.49	15.54	13.82	21.59	21.61	0.08	22.02	11.28	25.00	12.46	12.97	0.00	13.97	113
Enonkoski	18.32	17.86	4.21	12.22	21.94	0.20	14.61	12.37	8.13	15.26	3.59	16.48	14.17	21.30	15.28	15.15	0.00	12.42	263
Enontekiö	17.11	14.43	6.67	13.67	23.61	0.00	15.29	10.33	12.03	18.60	3.64	18.84	12.72	23.71	14.26	13.49	50.00	15.79	73
Espoo	22.68	19.63	7.53	15.00	24.78	0.01	16.22	10.16	16.93	16.49	8.89	23.36	10.26	15.56	11.58	15.06	100.00	19.65	9
Eura	22.88	18.88	7.05	12.18	19.63	12.82	15.62	12.70	15.77	16.39	3.55	17.41	9.27	14.93	14.18	14.20	0.00	13.38	165
Eurajoki	27.61	20.93	7.17	14.16	17.14	12.63	15.68	12.46	13.80	18.45	2.88	25.10	10.05	15.29	14.30	14.54	50.00	17.19	25
Evijärvi	25.63	19.65	6.75	14.22	19.53	0.35	15.30	13.58	20.76	16.44	3.15	18.54	10.50	9.52	12.44	16.03	0.00	13.08	198
Finström	24.90	21.58	7.50	10.46	24.93	0.01	15.88	12.78	22.54	16.32	1.32	21.32	9.04	12.66	12.86	13.67	0.00	13.40	163
Forssa	16.79	19.80	7.10	12.90	26.88	6.79	16.12	12.07	19.59	14.03	7.32	18.97	8.96	8.10	14.85	13.56	50.00	16.11	66
Föglö	19.80	19.68	7.97	4.53	22.31	0.89	15.38	16.13	9.91	11.68	1.64	19.89	9.33		12.54	14.74	0.00	11.65	305
Geta	19.98	21.96	5.59	1.70	20.17	1.15	14.07	14.85	20.33	16.87	1.84	21.30	10.58		10.08	11.81	0.00	12.02	292
Haapajärvi	15.98	18.01	6.20	13.90	17.20	12.50	17.56	11.50	11.46	16.47	4.28	20.34	12.71	11.94	13.10	12.88	0.00	12.71	240
Haapavesi	16.39	19.09	6.20	14.86	22.67	17.85	15.76	11.33	11.83	15.22	3.82	20.85	12.58	9.35	11.87	13.88	0.00	13.15	187
Hailuoto	19.93	24.83	4.31	15.56	24.78	0.00	15.85	11.15	21.44	13.45	3.35	19.77	13.11		11.56	15.07	50.00	16.51	47
Halsua	20.00	12.45	5.77	7.67	17.45	0.00	14.88	13.19	12.93	13.33	2.94	19.07	12.97	14.82	11.60	15.23	0.00	11.43	309
Hamina	20.76	19.14	7.58	11.83	22.46	13.00	16.12	9.47	14.05	14.62	5.14	21.24	9.07	14.62	13.59	12.95	50.00	16.21	60
Hammarland	23.88	19.12	8.39	9.67	25.92	0.47	15.50	13.85	21.31	20.45	0.98	21.78	9.76	18.75	12.81	13.26	0.00	13.88	117
Hankasalmi	15.39	15.40	5.97	15.02	29.53	0.26	15.31	11.12	12.04	14.79	3.66	17.64	10.76	16.46	14.24	14.13	0.00	12.45	257
Hanko	21.66	23.51	6.59	10.42	20.48	1.03	16.01	8.43	15.86	14.01	6.14	17.36	6.75	18.75	12.91	13.41	50.00	15.49	80
Harjavalta	16.68	21.17	4.37	13.83	23.18	1.02	16.13	12.80	14.27	14.95	5.13	17.82	7.51	9.65	13.67	13.08	0.00	12.08	283
Hartola	11.75	18.06	6.74	12.22	24.41	0.42	15.01	11.13	10.82	14.77	4.02	17.19	12.64	18.50	15.40	12.95	0.00	12.12	279
Hattula	26.97	19.62	7.43	15.14	21.41	12.50	15.36	10.14	15.12	15.72	2.95	20.68	9.23	13.22	14.67	14.75	0.00	13.82	121
Hausjärvi	25.68	15.15	7.61	13.41	25.83	13.90	15.67	10.60	12.93	14.64	4.13	20.01	8.87	12.13	13.80	14.31	0.00	13.45	159
Heinola	17.18	18.53	7.39	13.06	23.49	12.94	15.81	10.31	18.20	14.24	6.56	18.57	10.16	18.49	14.75	13.04	0.00	13.69	128
Heinävesi	11.97	13.46	6.51	10.80	24.15	0.12	15.22	10.64	10.39	13.62	4.17	17.45	13.35	23.20	14.98	13.10	0.00	11.95	296
Helsinki	17.63	19.82	8.43	14.05	25.03	12.50	16.65	12.16	19.03	16.05	9.81	21.49	7.91	11.38	8.44	14.29	100.00	19.69	8
Hirvensalmi	16.27	16.05	6.04	11.39	23.52	0.24	14.76	12.39	12.82	12.96	3.29	15.72	13.55	21.04	14.97	13.47	0.00	12.26	270
Hollola	24.46	19.03	7.48	14.24	25.76	1.51	15.80	10.17	17.50	15.76	6.07	20.90	9.61	12.90	14.93	14.49	0.00	13.56	149
Honkajoki	16.53	11.22	5.68	11.14	12.88	12.56	11.80	13.31	19.73	16.78	3.56	17.26	11.12	11.38	12.89	15.29	0.00	11.95	295
Huittinen	19.66	18.94	6.24	13.73	25.28	12.86	15.62	13.14	20.16	16.11	4.06	17.55	7.94	12.92	14.61	13.85	0.00	13.69	129
Humppila	22.18	17.76	5.44	11.64	29.83	0.02	15.40	11.42	15.85	15.84	3.69	16.14	8.07	4.44	14.01	14.38	0.00	12.12	278
Hyrnsalmi	17.48	24.86	3.87	10.08	24.09	0.00	15.29	10.89	16.19	14.17	3.28	15.89	13.81	18.64	11.73	12.00	50.00	15.43	81
Hyvinkää	23.01	18.73	8.03	13.80	27.15	13.39	16.18	11.35	14.56	15.79	9.02	21.71	9.80	16.86	13.30	13.23	50.00	17.41	20
Hämeenkyrö	21.57	18.16	6.31	15.12	22.03	13.27	15.83	9.76	13.96	14.99	3.80	21.84	9.95	12.86	15.00	13.22	50.00	16.33	54
Hämeenlinna	20.26	19.53	6.88	14.10	26.57	12.50	15.93	10.81	17.67	15.61	7.84	20.83	10.33	15.37	15.25	13.56	0.00	14.30	101
Iisalmi	17.85	16.13	5.42	13.55	20.49	6.79	20.31	9.31	12.74	17.12	3.85	22.38	11.60	13.94	11.51	11.61	50.00	15.57	78
Iitti	17.50	19.04	6.02	14.44	25.92	13.74	16.14	11.78	20.55	14.48	6.77	19.67	9.66	14.10	13.70	12.34	0.00	13.87	118
Ikaalinen	18.67	17.44	6.52	10.89	22.78	12.50	15.29	12.06	13.30	14.93	5.47	17.06	8.94	12.12	14.87	14.12	0.00	12.76	236
Ikaalinen	18.76	17.09	5.20	12.05	22.72	12.50	15.23	10.58	18.99	15.18	3.91	18.08	9.03	15.78	14.57	11.31	0.00	13.00	207
Ilmajoki	24.28	18.92	8.06	16.03	20.74	6.61	17.54	10.76	13.13	16.67	3.32	19.16	8.35	8.47	12.95	15.59	0.00	12.98	209
Ilomantsi	16.69	22.09	5.81	13.06	25.33	12.66	15.68	10.76	18.67	14.63	3.76	17.98	11.76	18.17	12.60	13.30	50.00	16.64	42
Imatra	17.95	19.61	6.34	14.17	25.21	13.08	16.07	10.51	13.16	14.74	7.83	19.21	9.36	19.73	12.47	13.09	0.00	13.68	130
Inari	21.62	24.00	6.56	11.82	26.75	12.50	13.56	12.02	15.05	16.61	5.88	22.58	12.02	22.71	15.19	14.01	0.00	14.88	90
Inkoo	27.18	20.11	7.28	13.50	25.00	0.10	14.97	10.20	17.94	15.32	3.47	22.05	9.36	14.72	14.57	15.59	50.00	16.55	45
Isajoki	17.84	16.50	6.55	8.43	17.51	0.55	16.67	13.75	12.74	15.78	3.16	15.71	13.68	19.59	13.06	14.98	0.00	12.15	275
Isokyrö	20.89	18.63	7.16	13.46	18.95	14.38	15.30	12.34	13.32	16.15	2.50	18.27	9.01	6.25	12.83	15.69	0.00	12.66	244
Janakkala	22.50	18.92	6.59	14.26	26.03	12.85	15.75	10.38	15.36	15.01	4.10	20.20	8.93	12.31	14.92	14.13	0.00	13.66	133
Joensuu	11.89	20.64	7.22	16.34	25.26	13.18	16.21	11.20	18.61	15.20	9.06	21.17	11.92	17.53	13.30	12.63	100.00	20.08	4
Jokiainen	22.52	17.06	7.44	13.91	26.27	0.49	16.45	10.84	14.83	15.30	3.27	18.89	6.58	11.74	14.41	15.21	0.00	12.66	243
Jamala	30.71	20.53	8.40	14.52	28.44	0.24	15.86	15.59	25.87	20.18	3.01	23.53	9.89	12.57	12.96	13.80	0.00	15.06	87
Joroinen	20.51	19.04	6.90	13.16	26.30	0.60	12.50	10.74	11.03	14.36	3.58	17.32	11.28	15.65	14.26	12.93	0.00	12.36	268
Joutsa	13.42	20.92	5.73	10.51	23.33	12.50	14.96	11.01	15.05	14.67	3.85	18.91	12.15	18.41	15.15	13.62	0.00	13.19	184
Juuka	11.89	17.97	5.74	11.88	27.27	12.74	15.57	11.69	14.86	12.03	4.53	16.74	12.90	18.39	13.32	13.63	0.00	13.01	205

Juupajoki	19.21	14.15	5.15	13.24	22.84	0.55	15.51	12.28	14.23	11.35	5.94	17.67	11.93	17.39	14.53	14.57	0.00	12.39	267
Juva	19.53	20.77	7.67	13.70	27.92	12.66	15.33	12.36	13.60	16.04	3.89	17.32	12.84	19.40	14.45	12.70	0.00	14.13	107
Jyväskylä	15.68	19.28	7.57	15.74	27.72	12.50	16.27	10.83	17.82	15.26	9.22	21.28	11.03	16.03	14.02	13.26	100.00	20.20	3
Jämijärvi	21.56	18.70	5.31	13.68	26.07	0.14	20.92	11.29	20.67	15.19	3.18	16.72	8.78	13.45	13.48	15.63	0.00	13.22	181
Jämsä	19.75	19.08	7.27	13.88	19.73	12.92	15.73	10.81	11.27	13.42	6.15	17.95	10.75	16.67	14.86	12.62	0.00	13.11	193
Järvenpää	24.37	19.43	7.54	14.61	26.07	1.83	16.09	10.44	17.58	17.93	9.46	23.21	8.82	9.42	8.60	13.89	50.00	16.43	50
Kaarina	27.84	18.84	7.46	14.02	27.05	1.23	15.76	10.50	15.56	15.93	7.16	15.06	7.95	5.35	12.20	15.63	50.00	15.74	74
Kaavi	14.65	20.88	5.27	8.95	24.24	0.29	15.36	11.53	12.07	10.76	4.70	0.00	7.66	20.18	13.88	11.94	0.00	10.73	310
Kajani	18.73	19.81	6.74	16.16	27.20	13.16	16.18	11.14	19.16	14.65	7.03	20.34	10.69	17.27	12.02	11.50	50.00	17.16	28
Kalajoki	23.13	19.35	5.98	13.89	21.73	1.04	21.96	12.52	14.26	15.27	3.87	20.47	12.29	13.90	12.44	14.72	0.00	13.34	167
Kangasala	26.66	19.25	7.55	15.18	23.66	13.17	15.70	10.11	16.84	16.71	6.53	22.47	10.49	14.58	15.33	14.63	50.00	17.58	15
Kangasniemi	18.36	19.57	5.46	11.90	24.47	12.61	15.10	10.89	13.95	15.63	3.58	17.28	12.93	20.78	14.58	13.97	0.00	13.59	141
Kankaanpää	18.59	20.61	7.05	14.52	23.81	12.79	16.96	11.85	21.90	15.40	5.17	18.09	10.11	13.44	13.33	14.76	0.00	14.02	112
Kannonski	13.83	18.60	3.41	10.49	28.58	0.39	15.31	8.72	20.51	15.78	3.82	21.28	13.74	19.64	13.11	15.21	0.00	13.08	197
Kannus	18.64	18.27	7.93	13.99	20.30	12.50	15.08	12.31	13.62	16.95	4.34	20.99	11.28	14.36	12.22	13.78	0.00	13.33	171
Karjoki	19.68	19.99	4.83	11.12	12.81	0.06	14.93	12.47	13.40	16.15	3.26	16.27	11.81	17.32	13.14	17.17	0.00	12.02	291
Karkkila	22.34	17.27	6.11	12.10	24.86	12.75	15.97	9.04	13.47	15.32	5.72	20.34	8.60	18.02	15.04	13.72	0.00	13.57	147
Karstula	19.98	18.45	4.99	13.44	25.04	12.57	15.75	11.01	22.54	15.06	3.39	17.51	12.41	14.50	13.17	14.63	0.00	13.79	123
Karvia	16.78	20.06	6.55	11.45	12.01	0.00	18.53	13.60	19.75	16.54	3.39	16.45	13.04	8.78	12.66	16.41	0.00	12.12	280
Kaskinen	24.48	24.86	4.38	12.37	19.67	0.11	14.04	10.86	14.93	14.26	3.59	16.47	7.55		8.92	17.61	0.00	12.13	277
Kauhajoki	16.87	17.27	5.75	14.79	21.48	12.77	16.26	11.03	13.44	14.31	3.25	18.52	10.60	13.68	12.32	13.93	0.00	12.72	239
Kauhava	20.65	18.93	5.41	14.89	20.67	12.50	15.73	13.34	12.24	16.36	3.36	18.68	9.21	4.73	12.24	15.27	0.00	12.60	249
Kaunialainen	28.98	10.32	8.33	16.47	26.79	0.00	16.01	9.38	11.25	14.55	9.47	19.70	7.81	6.25	7.22	18.41	50.00	15.35	82
Kaustinen	23.79	18.58	7.79	13.98	19.87	12.75	15.43	10.86	13.61	18.07	3.12	20.61	11.61	9.50	12.40	15.51	0.00	13.38	164
Keitele	20.32	19.86	4.83	12.17	21.90	0.75	15.70	13.66	13.78	15.57	4.52	16.80	13.19	18.43	14.06	15.05	0.00	12.98	208
Kemi	10.69	19.88	6.61	12.98	23.19	6.25	16.86	9.70	15.55	11.28	7.65	20.04	9.55	15.07	8.65	12.56	0.00	12.15	274
Kemijärvi	19.33	18.69	6.52	11.23	24.22	12.50	15.36	9.17	11.11	12.59	4.07	16.70	11.85	19.23	10.48	14.22	0.00	12.78	233
Keminmaa	23.53	19.87	6.96	15.63	21.23	0.00	15.63	10.01	15.81	14.64	3.68	20.11	10.65	15.41	11.53	14.72	0.00	12.91	214
Kemiönsaari	20.40	19.19	5.84	13.26	16.36	0.08	15.14	12.28	22.94	16.35	3.46	18.05	10.18	17.52	13.10	15.37	0.00	12.91	213
Kempele	27.51	19.44	7.58	16.29	21.82	12.50	16.05	10.35	20.15	16.47	5.57	23.63	9.11		9.85	14.92	50.00	17.58	16
Kerava	22.03	20.67	7.93	13.15	26.49	1.39	16.43	11.30	18.84	16.53	8.21	24.02	9.28	11.38	9.09	13.77	50.00	16.50	49
Keuruu	16.45	20.67	6.75	13.73	24.94	12.74	15.76	9.82	12.34	14.53	4.74	16.85	11.04	17.93	13.58	14.40	0.00	13.31	173
Kihniö	15.30	23.83	6.49	14.15	19.08	0.71	15.40	11.00	11.69	17.29	3.69	17.56	13.16	15.91	13.45	16.61	0.00	12.67	242
Kinnula	5.44	23.86	5.67	11.14	14.52	0.62	15.42	10.35	11.32	14.25	4.11	18.21	13.97	14.55	12.67	18.24	0.00	11.43	308
Kirkkonummi	26.39	20.14	7.10	15.69	24.06	12.98	15.72	9.28	15.71	16.14	6.53	23.97	12.91	12.21	13.63	15.29	50.00	17.51	17
Kitee	16.49	18.09	5.75	12.65	29.45	12.51	15.53	11.56	10.95	13.81	4.07	17.18	11.50	19.07	14.49	13.07	50.00	16.24	58
Kittilä	23.49	18.59	7.40	13.06	19.22	12.50	15.08	11.99	18.62	16.77	3.83	22.39	14.07	20.28	11.35	11.10	0.00	14.10	108
Kiuruvesi	15.66	20.12	6.17	13.90	27.19	12.97	15.54	11.12	16.39	14.32	4.35	18.65	12.29	13.35	13.23	13.64	0.00	13.46	157
Kivijärvi	16.32	24.30	2.81	8.69	13.16	0.33	15.08	9.37	20.18	12.70	3.45	16.47	13.03	17.01	12.87	15.20	0.00	11.82	302
Kokemäki	17.69	16.63	6.47	13.30	22.44	12.50	15.72	10.64	22.13	14.79	3.20	16.36	8.81	11.91	13.84	13.58	0.00	12.94	211
Kokkola	21.88	18.97	7.30	15.28	20.57	12.93	16.14	10.43	13.55	16.36	7.55	21.99	10.70	8.06	12.30	13.83	0.00	13.40	162
Kolari	21.29	21.86	5.38	14.69	20.94	0.00	11.23	11.99	16.05	16.52	3.66	20.03	13.25	18.65	10.62	15.99	0.00	13.07	200
Konnevesi	18.25	18.37	5.11	11.11	22.61	1.42	15.62	8.47	21.59	14.50	3.77	18.58	13.75	20.83	12.95	14.43	0.00	13.02	203
Kontiolahti	24.89	20.35	7.19	15.25	24.95	13.46	15.73	10.07	13.65	16.06	3.03	22.25	11.89	17.30	13.45	13.95	0.00	14.32	100
Korsnäs	23.98	23.81	6.91	12.38	27.81	2.20	13.11	13.77	12.33	17.35	3.80	16.71	13.75	11.94	13.48	18.45	0.00	13.64	136
Koski Tl	17.18	12.38	5.66	11.12	17.90	1.24	14.90	14.59	10.57	14.47	3.72	16.64	7.66	4.44	14.45	15.08	0.00	10.71	311
Kotka	11.04	19.42	6.70	13.32	23.56	12.50	16.37	7.80	16.66	12.68	8.46	19.90	9.46	11.94	12.20	12.50	0.00	12.62	247
Kouvola	19.77	19.02	6.25	13.90	25.76	12.50	15.92	10.76	13.73	13.94	6.68	18.74	10.11	16.39	14.14	13.25	0.00	13.58	145
Kristiinankaupunki	23.17	23.50	4.82	11.92	26.69	0.36	22.62	12.60	22.46	16.30	3.76	16.98	11.70	13.67	13.51	16.38	0.00	14.14	106
Kruunupyä	27.20	17.90	6.27	15.46	20.87	0.00	15.34	12.90	11.46	17.55	3.42	19.27	11.87	10.65	12.90	14.60	0.00	12.80	227
Kuhmo	17.55	21.22	6.43	12.89	24.01	12.96	15.87	10.23	13.42	14.23	4.20	17.47	13.42	19.99	12.39	12.76	50.00	16.41	53
Kuhmoinen	15.81	14.32	5.29	9.77	28.18	0.35	14.04	12.26	12.23	11.35	3.45	14.25	9.95	20.66	15.65	14.85	50.00	14.85	91
Kumlinge	16.73	19.36	7.93	10.83	21.02	0.17	15.31	12.93	7.80	22.02	2.39	21.95	10.06		9.25	15.80	0.00	12.10	282
Kuopio	17.42	19.23	7.84	15.93	24.67	13.12	16.25	11.40	19.27	15.72	8.06	21.71	11.33	19.04	14.05	12.59	100.00	20.45	1
Kuortane	22.64	18.88	5.78	14.17	18.23	0.40	15.60	13.11	15.07	15.99	3.15	15.61	11.58	12.53	12.70	16.11	0.00	12.44	259
Kurikka	20.25	17.70	5.44	14.56	21.07	7.22	15.87	11.41	13.70	15.48	3.68	18.54	10.38	9.57	12.83	14.59	0.00	12.49	253
Kustavi	17.43	24.16	5.50	10.47	17.07	8.32	12.39	12.20	26.98	14.47	3.23	19.12	8.32		13.64	17.19	0.00	13.16	185
Kuusamo	19.26	17.30	6.53	14.99	25.29	8.57	14.47	12.34	12.24	14.77	6.89	19.85	12.70	20.08	10.92	14.32	0.00	13.56	150
Kyyjärvi	22.71	17.98	4.77	9.69	18.53	0.20	15.71	9.08	21.50	14.77	3.24	21.37	13.45	12.05	12.66	15.65	0.00	12.54	251
Kärkölä	19.90	19.29	7.47	13.31	19.85	12.81	15.59	11.87	9.79	15.55	3.27	19.58	7.63	11.94	14.17	14.51	0.00	12.74	238
Kärsämäki	14.90	22.45	6.14	10.91	20.71	0.00	15.52	11.42	18.43	14.03	4.11	20.09	14.01	13.53	12.30	12.04	0.00	12.39	266
Kökar	9.67	21.94	4.54	8.25	23.39	0.00	14.61	9.71	15.97	17.11	2.18	48.24	5.72	12.50	5.30	15.60	0.00	12.63	246
Lahti	16.02	19.55	6.05	14.30	27.17	12.50	16.31	8.71	20.56	14.91	8.52	20.77	10.08	12.15	13.18	12.87	100.00	19.63	11
Laihia</																			

Lapinjärvi	20.80	16.58	6.89	9.46	22.22	0.48	14.61	12.02	19.17	15.97	3.11	18.18	8.98	10.19	14.81	13.73	0.00	12.19	272
Lapinlahti	16.17	20.02	7.52	13.84	21.21	12.60	15.61	11.11	15.76	14.06	4.08	19.18	11.70	14.65	14.16	12.87	0.00	13.21	182
Lappajärvi	20.79	17.17	6.13	13.67	23.98	3.45	15.42	12.20	14.35	16.28	3.20	18.14	10.99	10.88	12.45	16.73	0.00	12.70	241
Lappeenranta	17.43	20.46	6.87	15.10	24.12	12.50	16.43	10.55	14.02	15.66	7.75	20.74	10.47	14.99	13.58	13.07	100.00	19.63	10
Lapua	23.32	19.18	7.85	14.33	20.35	12.92	16.61	11.30	12.17	15.95	3.95	20.23	9.08	11.76	12.65	15.61	0.00	13.37	166
Laukaa	22.62	18.78	6.10	15.92	22.17	12.65	15.85	9.39	12.66	15.34	4.06	21.47	10.37	16.03	13.72	14.24	0.00	13.61	139
Lemi	24.08	17.41	7.46	15.10	19.66	0.78	15.59	10.71	12.38	15.60	3.28	18.54	11.41	15.92	14.38	15.55	0.00	12.81	226
Lemland	28.95	21.31	7.85	13.96	29.14	1.17	18.93	12.80	19.10	19.67	2.25	23.35	10.86		13.32	14.38	0.00	14.82	93
Lempäälä	25.77	18.35	6.44	15.82	26.72	2.09	15.93	9.64	16.17	16.26	5.18	22.83	8.81	11.99	15.21	15.10	50.00	16.61	43
Leppävirta	19.31	19.54	5.75	15.24	24.40	13.14	16.02	12.14	11.01	15.98	4.15	18.46	11.63	19.60	15.29	12.56	0.00	13.78	125
Lestijärvi	17.00	23.89	4.34	11.64	25.50	0.71	14.90	12.89	10.46	12.25	3.98	19.73	12.93	20.97	12.63	17.21	0.00	13.00	206
Lieksa	9.97	19.53	6.37	13.12	25.43	12.69	15.75	11.27	15.11	11.97	5.16	16.54	11.95	18.84	13.20	13.04	50.00	15.88	70
Lieto	28.60	19.04	7.34	15.85	25.84	2.29	15.79	11.03	15.61	16.63	4.23	21.52	8.89	5.35	13.44	15.54	50.00	16.29	56
Liminka	23.45	18.71	5.72	16.86	21.37	12.50	15.82	10.77	11.60	17.53	4.70	25.60	11.18	9.38	10.92	14.50	50.00	16.51	48
Liperi	19.25	21.22	7.23	15.76	27.84	0.88	15.30	10.53	12.09	15.05	3.12	20.97	10.89	16.35	14.41	13.26	50.00	16.13	64
Lohja	23.71	16.40	6.62	12.88	28.15	6.85	15.64	10.49	19.00	15.56	7.17	20.98	7.97	15.81	14.75	13.40	50.00	16.79	39
Loimaa	19.67	19.41	6.19	13.37	23.41	13.30	15.50	12.84	16.64	15.66	4.95	18.61	5.80	4.44	14.06	12.88	50.00	15.69	77
Loppi	23.93	16.66	6.98	14.15	25.43	12.69	15.20	11.42	14.01	16.27	3.76	20.12	10.40	17.15	15.10	15.26	0.00	14.03	111
Lovisa	19.97	20.17	6.45	11.38	19.50	2.65	15.23	11.42	22.13	14.95	4.99	19.93	8.05	13.16	14.52	14.31	0.00	12.87	219
Luhanka	18.53	24.24	4.65	9.27	22.90	0.10	23.64	12.48	19.54	10.47	3.29	15.45	14.76	11.60	14.97	16.91	0.00	13.10	194
Lumijoki	20.05	16.02	5.46	10.64	15.98	0.00	15.90	11.21	10.52	16.33	4.34	23.58	11.06	4.44	11.59	14.89	50.00	14.24	103
Lumparland	33.30	24.35	8.47	12.01	20.06	0.60	16.13	11.25	19.99	23.27	1.59	30.82	10.64		12.41	15.70	0.00	15.04	88
Luoto	29.51	20.60	4.37	16.39	24.84	13.53	16.18	11.89	17.46	20.04	3.97	24.97	12.38	10.60	12.86	19.41	0.00	15.24	84
Luumäki	23.60	19.24	6.55	13.99	27.07	13.05	15.05	12.53	13.35	13.64	3.63	17.75	11.24	14.88	14.29	12.44	0.00	13.67	132
Maalahti	24.28	23.04	6.77	12.45	25.48	13.40	14.16	11.46	15.20	17.51	3.28	18.96	11.70	3.53	13.15	17.65	0.00	13.65	135
Maarianhamina	23.46	23.00	7.61	12.60	23.13	13.12	16.35	16.31	15.15	16.31	5.03	18.11	1.30		5.09	12.53	50.00	16.19	61
Marttila	20.63	22.32	7.80	11.75	25.07	5.19	14.42	12.41	20.78	14.73	3.00	13.51	7.81	4.44	13.76	14.27	0.00	12.46	256
Masku	31.14	19.86	7.03	17.08	24.44	12.50	15.50	9.79	17.50	17.89	3.32	21.56	9.59	10.49	13.59	15.52	50.00	17.46	18
Merijärvi	9.98	16.21	5.43	11.83	17.63	1.55	20.59	12.33	10.30	16.63	4.34	20.55	13.95	11.34	12.82	16.14	0.00	11.86	299
Merikarvia	15.54	19.59	5.10	10.90	20.43	0.34	15.32	12.37	10.98	14.47	3.99	18.59	12.54	14.34	14.19	15.43	0.00	12.01	294
Miehikkälä	14.65	18.68	3.88	10.74	26.17	6.04	15.26	11.64	9.35	14.60	3.09	17.16	11.99	12.58	14.30	14.70	0.00	12.05	285
Mikkeli	20.34	20.52	7.63	14.93	25.84	14.80	15.94	11.04	15.92	14.80	6.91	20.11	11.55	19.75	14.61	12.87	0.00	14.56	97
Muhos	19.18	17.20	6.40	15.48	22.53	6.25	15.62	9.58	11.64	14.59	4.37	22.53	10.50	16.27	10.92	14.26	50.00	15.73	75
Multia	12.09	21.00	3.74	12.07	24.98	0.07	15.60	13.26	20.70	11.52	3.48	15.82	14.82	17.55	13.16	13.75	0.00	12.57	250
Muonio	19.81	20.18	5.61	8.39	18.98	0.03	14.53	11.73	11.24	11.50	7.80	20.55	13.87	21.55	10.24	12.39	0.00	12.26	271
Mustasaari	29.72	19.38	5.46	16.18	24.67	1.12	15.66	10.35	13.95	17.91	3.82	21.41	10.73	10.86	13.99	17.29	0.00	13.68	131
Muurame	29.02	18.71	6.93	16.00	29.63	13.08	15.85	10.47	14.40	15.82	4.50	22.48	10.69	19.60	15.06	15.11	0.00	15.14	85
Mynämäki	25.10	19.43	7.06	13.54	25.11	25.00	15.31	11.20	15.83	16.70	3.15	19.39	9.99	11.94	14.39	10.90	50.00	17.30	21
Myrskylä	22.71	17.93	5.17	12.49	20.12	0.12	15.24	11.07	17.15	16.97	3.31	18.80	9.33	7.80	13.59	13.86	0.00	12.10	281
Mäntsälä	26.69	17.67	6.55	13.74	25.35	12.50	15.77	10.94	17.24	16.93	4.42	22.34	8.78	10.75	14.41	12.32	50.00	16.85	37
Mänttä-Vilppula	18.21	20.18	7.22	13.25	22.53	12.56	15.91	10.49	16.28	13.85	4.79	17.40	10.30	20.65	14.40	13.28	0.00	13.61	140
Mäntyharju	18.34	14.59	6.12	13.82	23.42	12.60	14.96	11.40	11.50	15.16	4.14	17.57	12.44	22.66	14.49	13.43	0.00	13.33	170
Naantali	25.84	20.84	7.48	15.15	22.45	0.90	15.78	11.27	21.63	15.50	7.03	21.40	10.26	0.00	13.58	15.87	50.00	16.18	62
Nakkila	19.02	21.72	6.35	14.27	25.91	0.26	15.81	11.26	16.18	15.62	3.30	18.21	7.52	7.62	14.08	15.12	0.00	12.49	254
Nivala	18.61	17.75	6.02	15.46	21.23	12.50	15.83	10.65	14.20	16.24	3.60	20.99	10.32	7.50	13.01	14.59	0.00	12.85	222
Nokia	24.26	17.76	7.40	15.09	22.18	12.50	16.06	10.18	15.60	15.97	6.75	22.35	8.52	15.05	14.40	14.20	50.00	16.96	33
Nousiainen	28.43	20.10	7.63	14.64	22.34	0.00	15.64	10.75	15.99	18.06	2.93	17.72	9.98	10.85	13.79	15.52	50.00	16.14	63
Nurmes	15.96	18.03	5.40	13.25	24.04	12.77	15.97	11.78	16.73	14.98	4.82	17.04	11.76	18.55	13.05	12.44	50.00	16.27	57
Nurmijärvi	28.28	17.10	7.86	14.40	24.63	13.71	15.70	10.14	15.22	17.19	5.59	22.63	9.05	14.11	12.64	14.54	50.00	17.22	24
Närpiö	24.32	22.39	6.35	12.33	23.73	12.50	0.95	14.57	15.06	17.86	3.90	19.41	11.22	8.46	13.32	16.18	0.00	13.09	195
Orimattila	19.76	17.91	6.94	12.84	23.24	12.50	15.48	10.93	16.34	14.17	4.28	19.29	8.11	9.11	13.28	13.25	0.00	12.79	231
Oripää	18.37	23.42	5.53	8.86	21.63	2.21	12.14	12.89	17.41	15.81	3.56	19.53	7.52	6.14	13.64	15.80	0.00	12.03	289
Orivesi	17.83	18.47	6.32	13.02	26.86	12.85	15.46	10.58	14.86	15.73	4.27	18.88	10.10	16.08	14.99	14.40	50.00	16.51	46
Oulainen	19.72	15.99	6.52	14.15	23.59	12.75	15.87	11.00	9.44	15.87	4.19	19.61	11.28	11.79	12.45	14.42	0.00	12.86	221
Oulu	18.49	20.06	6.97	16.09	25.04	0.98	16.28	10.20	20.42	14.44	10.87	23.00	11.82	14.01	11.00	13.53	100.00	19.60	12
Outokumpu	11.09	15.87	5.86	12.90	24.69	12.78	16.01	11.25	9.94	13.09	5.22	18.69	11.08	13.90	14.01	12.98	50.00	15.26	83
Padasjoki	20.11	17.73	4.40	9.74	25.15	0.21	14.58	11.33	12.30	12.79	3.87	17.96	9.85	15.32	16.21	15.52	50.00	15.12	86
Paimio	24.92	18.81	7.96	15.18	29.61	12.50	15.91	9.89	13.28	16.71	4.34	21.20	8.86	4.44	13.13	15.06	50.00	16.58	44
Pakamo	16.74	21.01	6.47	10.75	20.12	1.05	15.40	10.28	10.39	12.79	3.88	18.05	13.45	18.60	12.15	12.47	50.00	14.92	89
Parainen	26.56	18.24	6.35	15.81	23.08	0.98	15.17	11.64	18.08	15.72	6.23	20.98	10.30		13.90	14.79	0.00	13.61	138
Parikkala	19.03	20.58	5.70	11.81	25.20	7.44	15.49	12.47	13.48	13.28	3.92	15.08	11.93	17.01	14.68	14.18	50.00	15.96	69
Parkano	16.83	16.27	5.82	12.58	19.42	13.01	15.91	11.64	19.68	15.72	3.54	18.25	11.41	16.93	13.29	8.76	0.00	12.89	216
Pedersören kunta	29.65	20.64	6.69	14.86	24.26	12.50	15.90	13.68	11.00	18.49	3.10	22.26	12.65	8.71	13.19	18.62	0.00	14.48	98

<i>Perho</i>	14.99	17.98	6.45	10.53	24.20	0.13	19.47	12.19	14.52	16.51	4.17	22.50	13.29	15.43	12.30	15.78	0.00	12.97	210
<i>Pertunmaa</i>	15.15	21.18	4.57	6.16	20.90	0.00	14.56	12.10	12.73	13.41	3.23	16.87	13.97	21.30	14.51	13.81	0.00	12.03	290
<i>Petäjavesi</i>	20.26	22.47	5.99	14.60	20.83	0.93	15.73	10.43	21.59	14.44	3.60	22.70	13.36	15.82	13.97	15.04	0.00	13.63	137
<i>Pieksämäki</i>	17.28	19.16	6.63	14.31	24.90	12.50	15.92	11.18	9.81	14.88	6.56	17.89	10.59	18.95	13.84	11.81	0.00	13.31	174
<i>Pielavesi</i>	15.54	18.26	5.16	12.52	28.54	12.72	15.63	11.98	11.17	15.72	3.85	16.56	14.04	19.50	13.68	14.89	0.00	13.52	153
<i>Pietarsaari</i>	20.15	20.20	4.86	12.63	20.50	13.33	16.21	13.32	19.49	15.26	7.44	21.48	7.97	7.36	10.89	14.67	0.00	13.28	175
<i>Pihtipudas</i>	15.00	15.91	5.24	13.07	15.40	12.50	15.58	11.24	21.43	14.19	3.85	16.56	13.29	17.55	13.22	14.38	0.00	12.85	223
<i>Pirkkala</i>	27.38	20.02	8.41	15.64	26.98	0.60	16.10	10.37	18.60	15.57	7.10	24.23	9.99	13.36	13.35	16.23	50.00	17.29	22
<i>Polvijärvi</i>	11.84	17.72	6.78	13.82	15.48	0.38	15.47	12.00	12.17	14.71	3.47	18.47	13.59	16.67	13.38	14.40	0.00	11.78	303
<i>Pomarkku</i>	16.81	19.98	5.88	11.82	18.76	0.02	15.59	11.55	22.96	13.68	3.75	18.64	11.70	11.27	15.10	14.66	0.00	12.48	255
<i>Pori</i>	19.20	20.48	6.43	14.35	26.97	12.82	16.47	10.64	20.06	14.36	7.30	19.68	7.93	12.77	14.24	13.57	100.00	19.84	6
<i>Pornainen</i>	26.90	15.02	6.90	13.98	25.75	12.59	15.42	10.06	15.24	16.68	3.12	22.40	11.31	9.91	14.50	15.23	50.00	16.77	40
<i>Porvoo</i>	23.66	18.98	7.77	13.96	22.65	13.74	15.95	11.46	15.60	15.46	6.85	22.00	8.03	12.47	14.02	14.53	50.00	16.89	35
<i>Posio</i>	14.82	24.79	5.93	12.59	28.18	0.00	17.72	8.94	10.99	14.60	4.16	18.20	14.20	18.94	10.64	13.27	0.00	12.82	225
<i>Pudasjärvi</i>	14.41	16.42	4.08	13.99	27.59	12.54	15.30	11.10	21.99	15.62	4.34	20.09	13.81	18.81	11.31	12.96	0.00	13.79	124
<i>Pukki</i>	23.57	11.82	7.20	12.90	18.26	0.00	15.03	10.83	12.98	15.01	3.81	19.81	8.53	8.44	13.50	14.24	0.00	11.53	306
<i>Punkalaidun</i>	16.44	18.80	6.58	10.54	28.68	0.36	15.06	13.34	16.72	13.13	3.28	16.34	6.16	5.35	14.43	16.38	0.00	11.86	300
<i>Puolanka</i>	18.30	19.10	6.44	11.44	31.33	0.35	15.19	10.84	13.71	12.61	4.19	18.14	13.62	19.46	11.41	13.43	50.00	15.86	71
<i>Puumala</i>	22.45	20.58	4.73	12.07	25.07	0.00	13.37	12.64	12.68	14.84	3.61	14.41	13.58	23.35	14.31	14.85	0.00	13.09	196
<i>Pyhtää</i>	24.87	19.86	8.66	12.54	22.75	12.54	15.22	9.04	14.43	13.64	2.99	17.70	10.14	11.64	14.11	14.26	0.00	13.20	183
<i>Pyhäjoki</i>	25.32	20.73	5.85	15.36	16.05	0.00	21.26	10.83	11.96	17.43	3.78	19.87	13.33	12.86	12.53	15.97	0.00	13.13	191
<i>Pyhäjärvi</i>	18.18	18.48	5.68	15.00	24.99	6.25	15.69	11.32	19.05	15.73	4.05	19.26	13.39	16.46	12.79	12.82	50.00	16.42	52
<i>Pyhäntä</i>	26.38	20.04	6.10	12.78	19.81	12.72	15.75	14.09	7.44	16.99	4.28	21.26	12.96	12.52	11.82	15.96	0.00	13.58	144
<i>Pyhäranta</i>	27.83	19.93	7.34	13.60	25.02	2.96	15.35	11.38	11.81	18.97	2.50	17.82	11.67	14.01	13.99	14.50	0.00	13.45	158
<i>Pälkäne</i>	21.98	19.54	7.03	11.94	20.96	12.76	14.90	12.09	15.34	15.39	3.51	18.80	10.07	16.16	16.49	14.08	0.00	13.59	142
<i>Pöytyä</i>	22.17	21.57	7.76	12.00	21.95	0.23	15.06	12.59	14.78	16.12	3.38	19.32	10.67	12.85	14.56	14.78	0.00	12.93	212
<i>Raahe</i>	18.37	17.99	6.57	14.94	15.18	12.50	19.11	9.83	11.03	14.45	6.67	20.74	10.50	11.12	11.90	13.31	50.00	15.54	79
<i>Raaseperi</i>	19.37	17.94	4.56	12.13	26.00	12.72	15.66	10.38	18.19	15.12	5.31	20.26	8.41	14.29	14.56	14.33	50.00	16.43	51
<i>Raisio</i>	21.79	21.25	8.02	15.54	26.85	1.27	16.35	11.52	20.26	15.57	6.79	21.45	7.91	4.44	9.68	13.43	0.00	13.07	201
<i>Rantasalmi</i>	17.51	24.22	7.54	13.37	23.05	0.53	15.09	10.35	14.14	13.59	3.56	17.21	12.32	18.56	14.55	13.31	0.00	12.88	218
<i>Ranua</i>	12.57	12.47	6.82	11.66	23.97	12.50	15.42	12.15	20.49	17.01	3.56	21.03	13.91	18.78	10.84	13.47	0.00	13.33	168
<i>Rauma</i>	22.17	20.34	6.97	13.67	20.71	13.37	16.14	12.32	20.31	18.08	7.00	17.29	9.78	14.39	13.26	13.00	50.00	16.99	31
<i>Rautalampi</i>	12.57	20.85	5.63	12.05	24.73	2.88	15.39	11.88	14.26	14.42	4.16	17.94	10.98	16.67	13.88	13.35	0.00	12.45	258
<i>Rautavaara</i>	10.97	20.13	2.80	8.70	30.98	0.91	15.67	8.24	20.19	12.21	3.90	17.17	12.99	18.64	12.76	12.60	0.00	12.29	269
<i>Rautjärvi</i>	18.68	15.79	6.27	12.90	20.84	0.28	15.79	10.28	9.75	10.93	3.68	16.66	10.34	18.86	13.10	14.46	50.00	14.62	95
<i>Reisjärvi</i>	19.79	18.42	6.36	9.82	18.72	0.21	15.54	9.14	11.71	14.23	3.58	20.19	12.94	12.70	12.93	14.75	0.00	11.83	301
<i>Riihimäki</i>	20.47	17.59	6.76	14.55	26.83	13.30	15.96	10.10	19.85	16.09	8.03	22.07	8.88	17.78	12.81	13.08	100.00	20.24	2
<i>Ristijärvi</i>	22.69	24.64	4.61	11.56	25.56	0.00	15.41	10.37	15.85	12.47	3.87	17.03	15.63	18.68	11.89	13.07	50.00	16.08	67
<i>Rovaniemi</i>	18.92	20.04	7.71	16.24	22.89	12.50	15.80	11.07	18.68	16.41	7.65	21.62	11.57	19.29	10.53	12.86	0.00	14.34	99
<i>Ruokolampi</i>	23.62	21.62	7.38	14.58	18.38	13.07	15.20	10.54	11.54	16.76	3.28	18.70	11.99	20.38	14.11	15.21	50.00	16.85	38
<i>Ruovesi</i>	20.60	14.15	6.28	13.86	30.55	12.61	15.10	12.93	12.96	15.84	4.31	16.74	11.53	17.97	14.84	15.67	0.00	13.88	116
<i>Rusko</i>	32.43	19.33	7.90	17.07	27.32	0.25	15.73	11.50	16.02	18.97	3.37	21.54	10.05	4.44	14.21	16.25	50.00	16.85	36
<i>Rääkkylä</i>	13.10	24.46	5.99	11.60	26.71	0.00	15.06	11.16	18.41	14.00	3.48	15.75	12.94	16.28	14.60	14.07	0.00	12.80	228
<i>Saarijärvi</i>	13.92	16.77	5.57	13.86	27.40	12.72	15.73	9.89	11.28	14.05	3.81	18.50	11.79	16.59	13.44	13.80	0.00	12.89	215
<i>Salla</i>	20.75	18.62	4.20	12.20	24.60	12.50	15.11	9.77	10.58	12.55	3.97	13.96	13.58	20.54	10.59	13.99	0.00	12.79	230
<i>Salo</i>	19.44	17.87	6.45	13.04	28.59	13.00	15.82	10.83	19.50	14.08	5.31	18.99	8.00	11.53	14.49	13.96	0.00	13.58	143
<i>Saltvik</i>	26.44	13.11	7.36	9.37	27.04	2.26	15.48	13.40	20.61	20.04	1.52	21.24	8.34	18.23	11.20	13.37	0.00	13.47	156
<i>Sastamala</i>	19.66	19.63	6.10	14.39	22.94	13.07	15.75	12.07	16.39	16.07	4.35	18.36	9.29	13.40	15.04	14.21	0.00	13.57	146
<i>Souva</i>	26.89	18.06	7.78	12.66	12.54	0.00	15.08	11.10	13.41	15.32	3.40	19.06	8.38	4.44	13.30	16.40	50.00	14.58	96
<i>Savitaipale</i>	22.66	20.76	6.07	13.80	21.01	4.47	15.33	12.10	19.56	16.81	3.79	15.84	12.71	20.59	14.31	15.74	0.00	13.86	120
<i>Savonlinna</i>	17.32	20.59	6.91	14.70	24.15	12.96	15.73	10.36	19.50	13.48	6.42	18.81	10.85	22.10	14.73	13.22	0.00	14.23	104
<i>Savukoski</i>	16.69	24.85	6.23	11.46	22.06	0.10	15.13	10.14	14.90	13.79	4.15	14.46	16.19	20.27	10.49	17.84	0.00	12.87	220
<i>Seinäjoki</i>	20.82	18.67	7.46	16.09	25.24	12.50	16.15	11.38	13.64	16.79	6.95	21.35	9.47	10.12	12.37	13.86	0.00	13.70	127
<i>Sievi</i>	13.79	18.80	5.42	14.86	20.92	0.00	15.85	12.50	8.46	15.00	3.79	21.50	12.42	13.43	12.13	15.35	0.00	12.01	293
<i>Siikainen</i>	9.16	23.73	4.56	10.79	19.56	0.14	22.80	11.55	17.06	16.27	3.14	16.35	14.56	12.19	14.10	14.99	0.00	12.41	264
<i>Siikajoki</i>	18.22	19.30	5.93	13.92	18.78	0.00	17.33	11.19	11.66	15.52	3.75	19.27	12.36	13.20	11.79	14.96	0.00	12.19	273
<i>Siikalatva</i>	17.37	14.66	6.81	13.27	16.25	0.00	15.48	12.48	15.93	15.57	3.85	18.44	12.90	10.79	11.66	13.11	0.00	11.68	304
<i>Siilinjärvi</i>	26.40	20.08	8.22	15.30	25.91	13.43	15.96	10.89	18.54	16.03	5.50	21.61	8.36	15.88	13.30	13.24	0.00	14.63	94
<i>Simo</i>	22.43	19.76	3.87	15.01	27.03	0.00	31.94	9.60	10.88	14.91	3.08	18.37	12.41	19.63	12.23	15.61	0.00	13.93	115
<i>Sipoo</i>	29.32	18.86	7.55	14.14	29.71	12.95	15.16	10.55	14.67	16.82	4.29	23.43	9.32	5.92	14.72	16.02	50.00	17.26	23
<i>Siuntio</i>	27.82	16.45	7.47	11.80	23.10	13.50	15.27	9.40	11.78	17.20	3.58	21.64	8.59	11.55	14.36	13.46	50.00	16.29	55
<i>Sodankylä</i>	22.02	20.79	7.51	11.71	22.10	12.50	16.21	11.55	22.48	15.08									

Sotkamo	21.63	19.60	6.56	15.69	22.46	12.83	15.42	11.57	20.36	16.27	4.40	19.38	12.96	18.28	12.67	11.94	50.00	17.18	26
Sottunga	17.06	17.73	6.02	10.32	20.01	0.00	16.70	12.82	12.28	13.95	2.33	20.38	7.44		9.78	16.24	0.00	11.44	307
Sulkava	15.85	16.87	6.05	12.86	27.53	0.00	14.61	12.03	14.57	14.23	3.42	16.27	13.04	21.62	13.55	15.06	0.00	12.80	229
Sund	27.01	22.25	8.21	10.85	25.34	0.08	15.17	12.34	22.51	19.83	0.00	20.61	10.35	13.48	11.95	15.72	0.00	13.87	119
Suomussalmi	17.22	18.75	6.30	13.77	29.20	12.54	20.26	10.85	16.30	15.61	3.67	17.92	12.49	19.58	11.22	12.63	50.00	16.96	32
Suonenjoki	18.35	19.16	5.81	14.24	27.89	12.50	15.88	11.29	12.21	15.66	6.02	18.23	10.77	20.16	13.78	10.15	0.00	13.65	134
Sysmä	16.41	16.32	7.30	10.88	26.15	12.96	14.59	13.63	11.77	14.77	4.40	16.32	11.99	18.19	15.59	15.01	0.00	13.31	172
Säkylä	23.76	20.93	8.03	12.04	20.51	13.05	15.07	12.90	10.48	16.36	2.85	16.74	8.03	13.47	13.58	14.46	0.00	13.07	199
Taipalsaari	25.48	18.51	8.76	14.84	28.62	0.18	15.20	9.00	19.82	14.95	3.55	19.85	11.47	22.08	14.19	16.13	0.00	14.27	102
Taivaalkoski	15.34	16.37	6.20	13.75	17.30	0.07	15.55	12.36	22.62	14.60	3.78	18.64	14.10	18.73	10.92	14.15	0.00	12.61	248
Taivassalo	24.64	23.38	5.58	10.72	20.85	0.00	14.62	10.32	19.50	16.94	3.36	17.46	8.56		13.45	15.11	0.00	12.78	232
Tammela	23.77	22.09	6.88	14.86	27.23	0.56	15.11	11.75	16.04	16.10	3.31	19.44	11.21	15.25	15.00	16.04	0.00	13.80	122
Tampere	14.01	20.72	7.30	15.27	24.89	13.34	16.43	11.31	19.53	15.48	9.38	21.76	6.52	16.49	14.10	13.92	100.00	20.03	5
Tervo	20.26	24.32	5.08	12.82	31.61	4.71	14.71	11.76	13.37	16.68	3.63	16.77	13.00	21.35	13.90	14.75	0.00	14.04	110
Tervola	20.21	15.94	6.57	12.84	22.39	0.00	19.18	11.69	12.23	16.31	3.66	18.17	12.54	17.89	11.39	12.09	0.00	12.54	252
Teuva	19.36	19.75	4.49	14.69	22.82	12.53	15.15	10.97	12.33	14.55	3.45	15.44	10.34	11.27	13.28	16.25	0.00	12.74	237
Tahmajärvi	15.72	22.92	5.64	13.73	18.48	0.49	15.39	11.16	8.91	12.94	3.38	17.41	11.67	17.15	14.04	12.88	50.00	14.82	92
Taholampi	18.31	14.08	6.29	11.89	22.94	12.51	15.45	11.50	14.51	16.43	3.66	19.14	12.42	18.40	12.24	15.73	0.00	13.26	177
Taivakka	22.88	21.34	7.40	13.90	23.04	4.02	15.48	10.50	20.73	15.24	3.57	20.33	13.26	15.46	14.41	15.33	0.00	13.94	114
Tornio	18.45	19.54	6.30	15.43	19.10	0.00	17.17	10.79	15.63	14.59	5.64	20.50	9.81	17.62	10.81	13.45	0.00	12.64	245
Turku	13.64	20.84	8.05	14.82	26.47	13.92	16.43	11.15	17.64	15.94	10.09	21.25	8.28	7.55	11.35	13.93	100.00	19.49	13
Tuusniemi	13.23	15.03	4.16	13.43	24.98	2.62	15.13	11.24	10.76	14.27	3.51	17.25	12.84	18.94	14.85	12.43	0.00	12.04	288
Tuusula	28.77	18.61	7.21	14.50	29.82	13.05	15.87	11.19	16.10	16.69	5.53	22.58	9.41	9.83	12.77	14.63	50.00	17.45	19
Tyrnävä	19.11	17.08	7.08	14.94	23.16	12.50	15.65	10.10	11.80	15.24	3.97	23.78	10.73	13.07	11.09	14.66	50.00	16.12	65
Ulvila	23.93	18.63	7.26	14.11	21.79	0.65	15.87	10.58	17.35	15.23	4.47	19.55	9.10	17.10	14.68	14.97	0.00	13.25	179
Urijala	14.43	20.45	6.90	10.18	22.13	12.82	15.09	10.76	12.95	14.02	3.30	16.28	9.17	9.73	15.07	13.12	0.00	12.14	276
Utajärvi	19.93	16.15	5.04	13.77	24.34	2.12	15.03	11.86	18.25	13.71	3.83	20.41	13.97	14.65	11.78	14.13	50.00	15.82	72
Utsjoki	20.30	17.31	7.48	9.76	21.88	0.44	14.22	11.29	20.98	14.97	4.06	21.82	7.50	24.68	15.88	15.95	0.00	13.44	160
Uurainen	18.29	15.87	6.49	13.51	17.17	0.50	15.75	9.89	16.87	17.70	3.31	22.61	13.26	18.44	13.48	15.82	0.00	12.88	217
Uusikaarlepyy	27.15	20.00	5.31	12.72	20.32	0.00	15.55	13.20	21.82	16.97	3.85	20.34	10.47	1.10	13.22	15.11	0.00	12.77	235
Uusikaupunki	23.42	20.07	7.51	14.22	19.54	13.46	16.01	12.77	19.25	19.36	5.12	19.39	9.51	15.34	13.81	12.83	50.00	17.15	29
Vaala	13.26	17.45	6.37	13.17	23.62	0.00	14.83	10.42	13.37	13.38	3.97	17.11	13.07	17.47	11.35	13.65	0.00	11.91	297
Vaasa	18.29	20.73	7.37	15.25	26.13	13.16	16.61	11.83	13.48	15.68	7.63	20.81	9.80	10.90	12.95	14.15	100.00	19.69	7
Valkeakoski	22.22	17.46	7.27	14.19	22.45	13.42	16.05	10.47	15.91	13.55	6.83	19.92	6.18	10.49	15.22	13.51	0.00	13.24	180
Valtimo	18.09	22.59	3.56	9.60	22.23	1.79	15.48	11.44	19.33	16.32	3.56	15.58	13.03	17.39	12.99	13.84	50.00	15.70	76
Vantaa	19.14	17.53	6.82	12.78	26.90	0.01	16.40	10.33	16.07	17.35	9.83	23.26	8.96	8.82	10.66	12.89	100.00	18.69	14
Varkaus	14.21	20.49	6.24	14.00	20.57	12.50	16.20	10.83	14.81	13.75	7.65	18.39	10.54	22.94	15.10	11.79	0.00	13.53	151
Vehmaa	22.33	23.24	5.91	11.85	21.13	0.68	14.85	11.99	15.61	19.33	3.24	14.78	9.37	17.71	13.50	15.96	0.00	13.03	202
Vesanto	18.94	24.16	4.65	10.64	24.03	0.13	15.37	11.77	14.89	13.16	3.76	14.52	13.33	19.40	13.87	14.58	0.00	12.78	234
Vesilahti	25.41	17.42	7.90	14.66	25.20	0.60	15.42	9.34	11.97	16.20	3.02	20.50	10.67	11.98	15.80	15.43	50.00	15.97	68
Veteli	22.62	17.21	6.98	14.81	15.87	0.38	15.05	11.69	12.40	15.79	2.90	19.24	11.87	10.68	12.80	14.99	0.00	12.07	284
Viermä	20.82	22.51	6.78	13.33	18.79	0.00	15.27	14.02	14.63	15.22	3.72	19.42	13.82	17.62	13.06	14.24	0.00	13.13	190
Vihti	25.76	17.29	6.51	13.77	25.60	12.94	15.60	9.93	18.93	16.17	5.42	21.85	9.94	13.35	15.05	13.76	50.00	17.17	27
Viitasaari	15.93	17.82	4.68	12.64	31.41	12.50	15.67	10.51	11.43	13.50	4.43	18.64	12.25	18.22	13.38	13.64	0.00	13.33	169
Vimpeli	20.05	16.95	6.42	14.36	18.89	12.86	15.64	11.26	14.10	16.65	3.17	19.30	9.49	12.94	12.36	16.88	0.00	13.02	204
Virolahti	18.92	20.59	6.54	12.64	23.50	0.46	14.63	10.62	8.71	14.64	6.17	18.83	9.92	13.63	13.82	11.11	0.00	12.04	287
Virrat	15.87	17.19	6.50	13.57	26.11	12.71	15.44	12.60	16.24	15.15	3.92	18.01	10.92	17.09	13.71	14.95	0.00	13.53	152
Vårdö	24.42	20.13	7.55	11.00	24.66	1.71	14.34	13.67	20.90	18.22	1.47	22.25	8.95		10.26	16.62	0.00	13.51	155
Vöyri	23.81	21.06	6.14	11.95	21.44	1.15	15.37	13.66	12.75	15.97	3.35	18.91	11.48	4.20	13.44	16.59	0.00	12.43	262
Ylitornio	21.75	24.54	5.72	11.79	31.27	12.68	15.09	12.73	13.20	15.76	3.57	17.98	11.93	17.20	10.80	15.05	0.00	14.18	105
Ylivieska	18.05	18.61	6.74	15.25	24.11	12.85	16.86	10.83	12.81	16.20	4.64	21.11	10.60	9.43	12.56	12.95	0.00	13.15	186
Yläjärvi	25.20	19.53	7.66	15.84	25.39	0.00	15.80	9.97	17.05	16.18	5.19	22.76	11.64	18.46	14.34	14.52	50.00	17.03	30
Ypjä	20.86	21.12	7.38	12.55	25.66	2.37	15.33	11.86	10.99	15.81	3.38	16.73	8.21	8.13	14.62	15.63	0.00	12.39	265
Ähtäri	19.15	17.44	6.89	13.83	26.06	12.50	15.52	11.77	15.81	14.42	6.31	18.59	11.53	17.27	12.80	13.44	0.00	13.73	126
Äänekoski	17.98	17.25	6.46	13.50	23.09	12.50	15.97	9.56	11.16	12.78	6.82	20.19	11.17	17.91	14.24	12.70	0.00	13.13	189

Appendix IV – Coefficients of population-coverage weights

Based on data from Statistics Finland. 29.3.2018. Official Statistics of Finland (OSF); Population structure [e-publication]. Cited 13.3.2019.

http://www.stat.fi/til/vaerak/index_en.html

	Under 18 yos	10-11 yos	14-15 yos	16-17 yos	17-24 yos	Over 20 yos	Under 25 yos	25-64 yos	18-64 yos	18-74 yos	work- force	empl oyed	Over 74 yos
KOKO	0.20	0.02	0.02	0.02	0.10	0.78	0.28	0.52	0.61	0.72	0.48	0.42	0.09
MAA													
Akaa	0.22	0.03	0.02	0.02	0.07	0.76	0.28	0.52	0.58	0.69	0.47	0.41	0.09
Alajärvi	0.22	0.02	0.03	0.03	0.08	0.75	0.29	0.47	0.54	0.66	0.41	0.36	0.11
Alavieska	0.25	0.03	0.03	0.03	0.10	0.73	0.33	0.46	0.54	0.64	0.43	0.37	0.11
Alavus	0.21	0.02	0.02	0.03	0.09	0.76	0.29	0.47	0.55	0.67	0.42	0.38	0.12
Asikkala	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.49	0.55	0.70	0.43	0.38	0.12
Askola	0.25	0.03	0.03	0.03	0.07	0.73	0.31	0.53	0.59	0.69	0.50	0.46	0.07
Aura	0.25	0.03	0.03	0.03	0.07	0.73	0.31	0.53	0.59	0.69	0.50	0.46	0.06
Brändö	0.13	0.02	0.02	0.02	0.08	0.85	0.20	0.50	0.57	0.74	0.48	0.46	0.12
Eckerö	0.17	0.02	0.02	0.02	0.07	0.81	0.24	0.54	0.60	0.73	0.50	0.47	0.10
Enonkoski	0.15	0.02	0.02	0.02	0.05	0.83	0.20	0.48	0.52	0.69	0.40	0.33	0.16
Enontekiö	0.15	0.01	0.02	0.02	0.07	0.83	0.22	0.56	0.62	0.76	0.48	0.39	0.09
Espoo	0.23	0.02	0.02	0.02	0.10	0.75	0.32	0.55	0.64	0.72	0.52	0.48	0.05
Eura	0.20	0.02	0.02	0.02	0.08	0.78	0.26	0.49	0.56	0.69	0.45	0.41	0.11
Eurajoki	0.22	0.02	0.02	0.02	0.07	0.76	0.27	0.51	0.57	0.70	0.46	0.41	0.09
Evijärvi	0.20	0.02	0.02	0.03	0.08	0.78	0.27	0.48	0.55	0.68	0.44	0.41	0.12
Finström	0.22	0.02	0.02	0.02	0.08	0.76	0.29	0.52	0.59	0.70	0.51	0.49	0.08
Forssa	0.16	0.02	0.02	0.02	0.09	0.81	0.24	0.50	0.58	0.72	0.45	0.38	0.12
Föglö	0.17	0.02	0.02	0.02	0.08	0.82	0.23	0.48	0.55	0.70	0.48	0.47	0.14
Geta	0.18	0.02	0.02	0.02	0.07	0.80	0.25	0.52	0.59	0.70	0.49	0.47	0.11
Haapajärvi	0.25	0.03	0.03	0.03	0.09	0.72	0.32	0.48	0.55	0.66	0.41	0.37	0.09
Haapavesi	0.25	0.03	0.03	0.03	0.10	0.72	0.34	0.47	0.55	0.66	0.42	0.37	0.09
Hailuoto	0.15	0.01	0.02	0.02	0.05	0.84	0.19	0.48	0.52	0.73	0.40	0.35	0.12
Halsua	0.18	0.02	0.03	0.03	0.08	0.79	0.25	0.47	0.54	0.67	0.42	0.38	0.14
Hamina	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.51	0.57	0.71	0.44	0.38	0.11
Hammarland	0.21	0.02	0.02	0.02	0.08	0.76	0.28	0.52	0.59	0.70	0.51	0.49	0.08
Hankasalmi	0.19	0.02	0.02	0.02	0.07	0.79	0.25	0.49	0.55	0.68	0.41	0.35	0.13
Hanko	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.51	0.56	0.73	0.44	0.39	0.10
Harjavalta	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.49	0.55	0.70	0.43	0.37	0.12
Hartola	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.50	0.55	0.72	0.41	0.35	0.14
Hattula	0.22	0.03	0.02	0.03	0.07	0.75	0.29	0.52	0.59	0.70	0.49	0.44	0.08
Hausjärvi	0.23	0.03	0.03	0.03	0.06	0.75	0.28	0.54	0.59	0.69	0.48	0.44	0.08
Heinola	0.16	0.02	0.02	0.02	0.08	0.82	0.22	0.50	0.56	0.72	0.43	0.36	0.12
Heinävesi	0.15	0.02	0.02	0.02	0.05	0.84	0.19	0.48	0.52	0.69	0.38	0.32	0.16
Helsinki	0.16	0.02	0.02	0.02	0.11	0.82	0.26	0.58	0.67	0.77	0.54	0.48	0.07
Hirvensalmi	0.15	0.02	0.02	0.03	0.06	0.83	0.20	0.49	0.54	0.70	0.41	0.35	0.15
Hollola	0.23	0.03	0.03	0.03	0.07	0.75	0.29	0.52	0.57	0.69	0.47	0.42	0.08
Honkajoki	0.17	0.02	0.02	0.02	0.08	0.81	0.23	0.52	0.58	0.71	0.46	0.41	0.12
Huittinen	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.50	0.57	0.70	0.45	0.41	0.12

<i>Humppila</i>	0.20	0.02	0.02	0.02	0.06	0.78	0.25	0.52	0.57	0.69	0.46	0.40	0.11
<i>Hyrnsalmi</i>	0.13	0.01	0.02	0.02	0.07	0.85	0.18	0.49	0.55	0.72	0.39	0.31	0.15
<i>Hyvinkää</i>	0.20	0.02	0.02	0.02	0.10	0.77	0.28	0.53	0.61	0.72	0.50	0.45	0.08
<i>Hämeenkyrö</i>	0.22	0.02	0.02	0.02	0.07	0.76	0.28	0.51	0.58	0.69	0.46	0.40	0.09
<i>Hämeenlinna</i>	0.19	0.02	0.02	0.02	0.10	0.79	0.27	0.50	0.59	0.71	0.47	0.42	0.10
<i>Ilalampi</i>	0.28	0.03	0.03	0.03	0.08	0.70	0.34	0.48	0.54	0.64	0.42	0.35	0.08
<i>Ilalampi</i>	0.19	0.02	0.02	0.02	0.09	0.79	0.27	0.51	0.59	0.71	0.46	0.40	0.10
<i>Ilitti</i>	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.51	0.57	0.71	0.45	0.39	0.12
<i>Ikaalinen</i>	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.49	0.56	0.71	0.43	0.37	0.12
<i>Ilmajoki</i>	0.24	0.03	0.03	0.03	0.08	0.74	0.31	0.50	0.57	0.67	0.47	0.42	0.09
<i>Ilomantsi</i>	0.13	0.01	0.02	0.02	0.05	0.85	0.17	0.50	0.54	0.71	0.39	0.32	0.16
<i>Imatra</i>	0.16	0.02	0.02	0.02	0.08	0.82	0.23	0.51	0.58	0.72	0.44	0.37	0.12
<i>Inari</i>	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.56	0.62	0.75	0.48	0.42	0.09
<i>Inkoo</i>	0.22	0.03	0.02	0.02	0.07	0.76	0.27	0.52	0.57	0.70	0.48	0.45	0.08
<i>Isojoki</i>	0.16	0.02	0.02	0.02	0.08	0.81	0.23	0.47	0.54	0.68	0.42	0.38	0.16
<i>Isokyrö</i>	0.21	0.02	0.02	0.02	0.08	0.77	0.28	0.49	0.55	0.68	0.44	0.40	0.12
<i>Janakkala</i>	0.22	0.03	0.03	0.03	0.07	0.76	0.28	0.51	0.58	0.69	0.47	0.42	0.09
<i>Joensuu</i>	0.18	0.02	0.02	0.02	0.14	0.79	0.30	0.51	0.63	0.74	0.47	0.39	0.08
<i>Jokioinen</i>	0.22	0.03	0.03	0.03	0.07	0.76	0.28	0.51	0.57	0.68	0.47	0.42	0.10
<i>Jomala</i>	0.25	0.03	0.02	0.02	0.07	0.73	0.31	0.55	0.61	0.70	0.54	0.53	0.05
<i>Joroinen</i>	0.18	0.02	0.02	0.02	0.06	0.80	0.24	0.51	0.57	0.71	0.43	0.37	0.11
<i>Joutsa</i>	0.15	0.02	0.02	0.02	0.06	0.84	0.20	0.48	0.53	0.70	0.41	0.34	0.15
<i>Juuka</i>	0.15	0.02	0.02	0.02	0.05	0.83	0.19	0.50	0.55	0.71	0.39	0.32	0.14
<i>Juupajoki</i>	0.19	0.02	0.02	0.02	0.06	0.79	0.25	0.49	0.54	0.68	0.43	0.38	0.12
<i>Juva</i>	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.49	0.54	0.70	0.42	0.38	0.14
<i>Jyväskylä</i>	0.19	0.02	0.02	0.02	0.14	0.78	0.32	0.52	0.65	0.74	0.50	0.42	0.07
<i>Jämijärvi</i>	0.19	0.02	0.03	0.03	0.08	0.79	0.25	0.48	0.55	0.68	0.43	0.38	0.13
<i>Jämsä</i>	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.49	0.56	0.70	0.44	0.37	0.12
<i>Järvenpää</i>	0.21	0.02	0.02	0.02	0.10	0.76	0.30	0.55	0.64	0.73	0.53	0.48	0.05
<i>Kaarina</i>	0.23	0.03	0.03	0.03	0.07	0.74	0.29	0.53	0.59	0.70	0.49	0.44	0.07
<i>Kaavi</i>	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.48	0.53	0.69	0.37	0.31	0.14
<i>Kajaani</i>	0.20	0.02	0.02	0.02	0.11	0.78	0.29	0.51	0.61	0.71	0.46	0.39	0.09
<i>Kalajoki</i>	0.23	0.03	0.03	0.03	0.09	0.75	0.30	0.49	0.56	0.67	0.45	0.40	0.10
<i>Kangasala</i>	0.24	0.03	0.02	0.02	0.07	0.74	0.30	0.52	0.58	0.69	0.49	0.44	0.07
<i>Kangasniemi</i>	0.15	0.02	0.02	0.02	0.06	0.83	0.21	0.47	0.53	0.70	0.40	0.34	0.15
<i>Kankaanpää</i>	0.19	0.02	0.02	0.02	0.09	0.79	0.26	0.52	0.59	0.71	0.45	0.40	0.10
<i>Kannonkoski</i>	0.18	0.02	0.02	0.02	0.06	0.81	0.22	0.47	0.52	0.67	0.39	0.32	0.16
<i>Kannus</i>	0.23	0.03	0.03	0.03	0.10	0.74	0.31	0.49	0.57	0.68	0.45	0.40	0.09
<i>Karjajoki</i>	0.15	0.02	0.02	0.02	0.08	0.83	0.22	0.48	0.56	0.69	0.45	0.40	0.16
<i>Karkkila</i>	0.20	0.02	0.02	0.02	0.07	0.78	0.26	0.52	0.58	0.70	0.47	0.42	0.10
<i>Karstula</i>	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.49	0.54	0.68	0.41	0.34	0.14
<i>Karvia</i>	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.49	0.55	0.70	0.43	0.37	0.14
<i>Kaskinen</i>	0.13	0.02	0.02	0.02	0.06	0.85	0.19	0.50	0.56	0.75	0.43	0.36	0.12
<i>Kauhajoki</i>	0.20	0.02	0.02	0.03	0.09	0.78	0.28	0.50	0.58	0.70	0.45	0.39	0.10
<i>Kauhava</i>	0.20	0.02	0.02	0.03	0.08	0.77	0.28	0.48	0.55	0.67	0.43	0.40	0.12
<i>Kauniainen</i>	0.23	0.03	0.03	0.03	0.11	0.74	0.32	0.47	0.56	0.68	0.45	0.43	0.09

Kaustinen	0.22	0.02	0.02	0.02	0.09	0.76	0.30	0.50	0.58	0.68	0.48	0.45	0.09
Keitele	0.15	0.02	0.02	0.02	0.06	0.83	0.20	0.51	0.56	0.71	0.42	0.37	0.14
Kemi	0.18	0.02	0.02	0.02	0.10	0.80	0.26	0.51	0.60	0.72	0.42	0.34	0.11
Kemijärvi	0.13	0.02	0.02	0.02	0.06	0.85	0.18	0.49	0.55	0.72	0.40	0.32	0.15
Keminmaa	0.22	0.02	0.03	0.03	0.08	0.76	0.28	0.52	0.58	0.70	0.46	0.39	0.08
Kemiönsaari	0.17	0.02	0.02	0.02	0.07	0.81	0.22	0.48	0.54	0.69	0.43	0.39	0.14
Kempele	0.30	0.03	0.03	0.03	0.09	0.68	0.37	0.51	0.58	0.66	0.48	0.42	0.05
Kerava	0.20	0.02	0.02	0.02	0.10	0.77	0.29	0.54	0.63	0.74	0.52	0.47	0.06
Keuruu	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.49	0.55	0.70	0.41	0.35	0.13
Kihniö	0.17	0.02	0.02	0.02	0.07	0.82	0.22	0.51	0.56	0.70	0.42	0.37	0.14
Kinnula	0.20	0.02	0.02	0.02	0.08	0.77	0.27	0.47	0.53	0.67	0.39	0.32	0.12
Kirkkonummi	0.26	0.03	0.03	0.03	0.08	0.71	0.33	0.54	0.61	0.69	0.51	0.47	0.05
Kitee	0.16	0.02	0.02	0.02	0.07	0.82	0.21	0.50	0.56	0.71	0.41	0.34	0.13
Kittilä	0.19	0.02	0.02	0.02	0.08	0.79	0.26	0.55	0.62	0.72	0.51	0.45	0.09
Kiuruvesi	0.19	0.02	0.02	0.02	0.08	0.79	0.26	0.48	0.55	0.68	0.41	0.35	0.13
Kivijärvi	0.17	0.02	0.02	0.03	0.08	0.80	0.24	0.43	0.50	0.67	0.35	0.30	0.15
Kokemäki	0.17	0.02	0.02	0.02	0.08	0.81	0.24	0.49	0.56	0.70	0.44	0.38	0.12
Kokkola	0.23	0.02	0.02	0.02	0.10	0.75	0.31	0.49	0.58	0.69	0.46	0.41	0.08
Kolari	0.16	0.02	0.02	0.02	0.08	0.82	0.23	0.53	0.60	0.74	0.48	0.41	0.10
Konnevesi	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.48	0.54	0.69	0.43	0.36	0.14
Kontiolahdi	0.27	0.03	0.03	0.03	0.07	0.71	0.33	0.53	0.59	0.68	0.49	0.43	0.05
Korsnäs	0.18	0.02	0.02	0.02	0.09	0.80	0.26	0.48	0.56	0.69	0.47	0.44	0.13
Koski Tl	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.47	0.53	0.67	0.43	0.39	0.14
Kotka	0.18	0.02	0.02	0.02	0.09	0.80	0.26	0.51	0.59	0.72	0.45	0.37	0.10
Kouvola	0.18	0.02	0.02	0.02	0.09	0.80	0.25	0.51	0.59	0.72	0.46	0.39	0.11
Kristiinan kaupunki	0.15	0.02	0.02	0.02	0.08	0.83	0.22	0.48	0.55	0.70	0.43	0.40	0.15
Kruunupyä	0.22	0.02	0.03	0.03	0.09	0.76	0.29	0.48	0.56	0.67	0.47	0.44	0.11
Kuhmo	0.15	0.02	0.02	0.02	0.06	0.83	0.20	0.50	0.56	0.71	0.42	0.33	0.13
Kuhmoinen	0.12	0.01	0.02	0.02	0.05	0.87	0.16	0.45	0.49	0.69	0.38	0.31	0.19
Kumlinge	0.12	0.01	0.01	0.01	0.08	0.86	0.19	0.51	0.58	0.71	0.47	0.44	0.17
Kuopio	0.18	0.02	0.02	0.02	0.12	0.79	0.29	0.52	0.63	0.73	0.48	0.42	0.08
Kuortane	0.19	0.02	0.02	0.02	0.07	0.79	0.25	0.47	0.53	0.67	0.42	0.39	0.14
Kurikka	0.19	0.02	0.02	0.02	0.09	0.79	0.26	0.49	0.56	0.69	0.44	0.39	0.12
Kustavi	0.12	0.01	0.02	0.02	0.06	0.87	0.17	0.50	0.54	0.74	0.42	0.37	0.14
Kuusamo	0.20	0.02	0.02	0.03	0.08	0.78	0.26	0.51	0.58	0.70	0.44	0.38	0.10
Kyyjärvi	0.19	0.02	0.02	0.02	0.07	0.79	0.24	0.48	0.53	0.68	0.41	0.35	0.13
Kärkölä	0.19	0.02	0.02	0.02	0.07	0.79	0.25	0.52	0.59	0.72	0.47	0.41	0.09
Kärsämäki	0.23	0.03	0.03	0.03	0.08	0.75	0.30	0.46	0.53	0.66	0.40	0.35	0.11
Kökar	0.15	0.02	0.03	0.03	0.07	0.83	0.21	0.47	0.53	0.71	0.45	0.42	0.13
Lahti	0.18	0.02	0.02	0.02	0.10	0.79	0.27	0.51	0.61	0.73	0.48	0.40	0.09
Laihia	0.23	0.02	0.02	0.02	0.07	0.75	0.29	0.51	0.57	0.68	0.47	0.43	0.09
Laitila	0.21	0.02	0.02	0.02	0.08	0.77	0.27	0.50	0.57	0.69	0.46	0.43	0.11
Lapinjärvi	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.51	0.56	0.70	0.46	0.41	0.12
Lapinlahti	0.20	0.02	0.02	0.02	0.07	0.78	0.26	0.51	0.57	0.69	0.43	0.37	0.11
Lappajärvi	0.17	0.02	0.02	0.02	0.09	0.81	0.24	0.46	0.54	0.69	0.41	0.37	0.15
Lappeenranta	0.18	0.02	0.02	0.02	0.11	0.80	0.27	0.52	0.61	0.73	0.48	0.41	0.09

Lapua	0.23	0.03	0.02	0.02	0.08	0.75	0.29	0.49	0.56	0.67	0.45	0.41	0.10
Laukaa	0.26	0.03	0.03	0.03	0.07	0.71	0.32	0.51	0.57	0.66	0.46	0.40	0.07
Lemi	0.22	0.02	0.02	0.02	0.06	0.77	0.27	0.51	0.56	0.68	0.46	0.41	0.10
Lemland	0.24	0.03	0.03	0.03	0.08	0.73	0.31	0.53	0.60	0.70	0.51	0.50	0.06
Lempäälä	0.28	0.03	0.03	0.03	0.07	0.70	0.34	0.52	0.58	0.67	0.49	0.44	0.06
Leppävirta	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.51	0.56	0.70	0.43	0.37	0.12
Lestijärvi	0.19	0.02	0.02	0.02	0.09	0.79	0.26	0.48	0.55	0.68	0.40	0.36	0.13
Lieksa	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.50	0.56	0.72	0.39	0.31	0.14
Lieto	0.25	0.03	0.03	0.03	0.07	0.72	0.31	0.52	0.58	0.68	0.49	0.45	0.07
Liminka	0.40	0.05	0.04	0.03	0.07	0.58	0.45	0.46	0.52	0.56	0.43	0.39	0.04
Liperi	0.23	0.02	0.03	0.03	0.07	0.75	0.29	0.53	0.59	0.69	0.47	0.41	0.08
Lohja	0.22	0.03	0.03	0.03	0.08	0.76	0.29	0.52	0.59	0.70	0.48	0.43	0.08
Loimaa	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.49	0.56	0.69	0.44	0.40	0.13
Loppi	0.23	0.03	0.03	0.03	0.06	0.75	0.28	0.51	0.56	0.68	0.46	0.42	0.09
Loviisa	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.51	0.57	0.71	0.46	0.41	0.11
Luhanka	0.13	0.02	0.02	0.02	0.05	0.85	0.17	0.44	0.48	0.67	0.35	0.31	0.20
Lumijoki	0.34	0.04	0.03	0.03	0.08	0.64	0.40	0.45	0.51	0.59	0.40	0.36	0.07
Lumparland	0.21	0.02	0.03	0.03	0.06	0.77	0.26	0.49	0.54	0.69	0.48	0.47	0.10
Luoto	0.35	0.04	0.04	0.04	0.13	0.62	0.45	0.41	0.52	0.60	0.44	0.42	0.06
Luumäki	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.49	0.54	0.69	0.43	0.38	0.14
Maalahti	0.19	0.02	0.02	0.02	0.08	0.79	0.26	0.49	0.56	0.69	0.48	0.44	0.13
Maarianhamina	0.17	0.02	0.02	0.02	0.10	0.80	0.26	0.53	0.62	0.74	0.52	0.50	0.09
Marttila	0.19	0.02	0.02	0.02	0.06	0.79	0.24	0.50	0.56	0.69	0.45	0.41	0.11
Masku	0.26	0.03	0.03	0.03	0.07	0.71	0.32	0.53	0.58	0.68	0.50	0.47	0.06
Merijärvi	0.28	0.03	0.03	0.03	0.11	0.69	0.38	0.42	0.52	0.62	0.39	0.34	0.10
Merikarvia	0.17	0.02	0.02	0.02	0.06	0.82	0.21	0.48	0.52	0.67	0.40	0.34	0.16
Miehikkälä	0.15	0.02	0.02	0.02	0.06	0.83	0.20	0.48	0.53	0.69	0.39	0.34	0.16
Mikkeli	0.18	0.02	0.02	0.02	0.10	0.80	0.27	0.50	0.59	0.72	0.46	0.40	0.10
Muhos	0.30	0.03	0.03	0.03	0.08	0.68	0.36	0.48	0.55	0.63	0.43	0.37	0.07
Multia	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.46	0.51	0.64	0.39	0.33	0.18
Muonio	0.19	0.02	0.02	0.02	0.09	0.79	0.26	0.51	0.58	0.72	0.45	0.40	0.09
Mustasari	0.23	0.03	0.02	0.02	0.07	0.74	0.30	0.51	0.57	0.68	0.50	0.47	0.09
Muurame	0.27	0.03	0.03	0.03	0.08	0.71	0.33	0.52	0.58	0.68	0.49	0.44	0.06
Mynämäki	0.20	0.02	0.03	0.03	0.08	0.77	0.27	0.51	0.57	0.70	0.47	0.43	0.10
Myrskylä	0.19	0.02	0.02	0.02	0.07	0.78	0.26	0.50	0.56	0.70	0.46	0.40	0.11
Mäntsälä	0.26	0.03	0.03	0.03	0.08	0.72	0.32	0.52	0.59	0.68	0.49	0.46	0.06
Mänttä-Vilppula	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.49	0.55	0.70	0.42	0.36	0.14
Mäntyharju	0.16	0.02	0.02	0.02	0.06	0.82	0.21	0.49	0.54	0.70	0.41	0.35	0.14
Naantali	0.20	0.02	0.02	0.03	0.08	0.77	0.26	0.53	0.59	0.71	0.48	0.43	0.08
Nakkila	0.21	0.02	0.03	0.03	0.08	0.77	0.27	0.49	0.55	0.69	0.44	0.38	0.11
Nivala	0.28	0.03	0.03	0.03	0.09	0.69	0.36	0.45	0.53	0.63	0.41	0.36	0.09
Nokia	0.23	0.03	0.02	0.02	0.07	0.74	0.29	0.53	0.59	0.69	0.48	0.42	0.07
Nousiainen	0.25	0.03	0.03	0.03	0.07	0.72	0.31	0.53	0.59	0.68	0.50	0.46	0.07
Nurmes	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.49	0.55	0.70	0.41	0.34	0.14
Nurmijärvi	0.27	0.03	0.03	0.03	0.08	0.70	0.34	0.52	0.59	0.68	0.50	0.47	0.05
Närpiö	0.17	0.02	0.02	0.02	0.08	0.81	0.24	0.48	0.55	0.69	0.47	0.45	0.14

<i>Orimattila</i>	0.21	0.02	0.02	0.02	0.07	0.77	0.27	0.51	0.57	0.69	0.46	0.41	0.09
<i>Oripää</i>	0.23	0.03	0.03	0.02	0.07	0.75	0.29	0.48	0.54	0.65	0.44	0.40	0.12
<i>Orivesi</i>	0.19	0.02	0.02	0.02	0.07	0.79	0.25	0.49	0.55	0.69	0.44	0.38	0.12
<i>Oulainen</i>	0.24	0.03	0.03	0.03	0.09	0.74	0.31	0.47	0.54	0.66	0.42	0.36	0.11
<i>Oulu</i>	0.23	0.02	0.02	0.02	0.13	0.74	0.34	0.52	0.63	0.71	0.49	0.41	0.06
<i>Outokumpu</i>	0.17	0.02	0.02	0.02	0.08	0.81	0.24	0.49	0.57	0.71	0.40	0.33	0.12
<i>Padasjoki</i>	0.15	0.02	0.02	0.02	0.06	0.83	0.20	0.47	0.52	0.69	0.39	0.34	0.16
<i>Paimio</i>	0.23	0.02	0.02	0.02	0.08	0.75	0.29	0.52	0.59	0.70	0.48	0.45	0.08
<i>Paltamo</i>	0.18	0.02	0.02	0.02	0.07	0.80	0.23	0.50	0.55	0.70	0.40	0.34	0.13
<i>Parainen</i>	0.20	0.02	0.03	0.03	0.07	0.77	0.26	0.50	0.56	0.69	0.46	0.43	0.10
<i>Parikkala</i>	0.13	0.01	0.02	0.02	0.06	0.85	0.18	0.48	0.54	0.71	0.40	0.34	0.16
<i>Parkano</i>	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.49	0.55	0.70	0.42	0.37	0.12
<i>Pedersören kunta</i>	0.29	0.03	0.03	0.03	0.11	0.68	0.38	0.45	0.55	0.64	0.47	0.45	0.07
<i>Pelkosenniemi</i>	0.10	0.01	0.01	0.01	0.05	0.89	0.15	0.55	0.59	0.77	0.44	0.35	0.13
<i>Pello</i>	0.13	0.02	0.02	0.02	0.07	0.85	0.19	0.49	0.54	0.71	0.40	0.33	0.16
<i>Perho</i>	0.31	0.04	0.03	0.03	0.09	0.67	0.38	0.42	0.50	0.61	0.38	0.34	0.09
<i>Pertunmaa</i>	0.15	0.02	0.02	0.02	0.05	0.83	0.19	0.49	0.53	0.69	0.40	0.35	0.16
<i>Petäjävesi</i>	0.24	0.03	0.03	0.03	0.07	0.74	0.29	0.50	0.55	0.67	0.44	0.38	0.10
<i>Pieksämäki</i>	0.16	0.02	0.02	0.02	0.08	0.82	0.23	0.51	0.57	0.71	0.42	0.37	0.13
<i>Pielavesi</i>	0.18	0.02	0.02	0.02	0.06	0.80	0.23	0.46	0.51	0.67	0.37	0.32	0.16
<i>Pietarsari</i>	0.20	0.02	0.02	0.03	0.10	0.77	0.29	0.48	0.57	0.69	0.45	0.41	0.11
<i>Pihtipudas</i>	0.20	0.02	0.02	0.03	0.07	0.78	0.26	0.48	0.54	0.67	0.41	0.35	0.13
<i>Pirkkala</i>	0.25	0.03	0.03	0.03	0.08	0.73	0.31	0.53	0.60	0.69	0.50	0.45	0.06
<i>Polvijärvi</i>	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.52	0.57	0.71	0.42	0.35	0.12
<i>Pomarkku</i>	0.19	0.02	0.02	0.02	0.06	0.79	0.24	0.48	0.54	0.67	0.41	0.35	0.14
<i>Pori</i>	0.18	0.02	0.02	0.02	0.10	0.80	0.27	0.50	0.59	0.72	0.46	0.39	0.10
<i>Pornainen</i>	0.29	0.04	0.04	0.03	0.08	0.68	0.36	0.52	0.58	0.66	0.50	0.47	0.05
<i>Porvoo</i>	0.22	0.02	0.02	0.03	0.09	0.76	0.30	0.52	0.60	0.71	0.50	0.45	0.07
<i>Posio</i>	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.50	0.55	0.73	0.40	0.32	0.13
<i>Pudasjärvi</i>	0.20	0.02	0.02	0.03	0.08	0.78	0.27	0.47	0.54	0.67	0.38	0.31	0.13
<i>Pukkila</i>	0.22	0.03	0.03	0.03	0.08	0.75	0.29	0.50	0.56	0.69	0.48	0.44	0.09
<i>Punkalaidun</i>	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.47	0.53	0.67	0.40	0.37	0.16
<i>Puolanka</i>	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.50	0.55	0.72	0.38	0.31	0.14
<i>Puumala</i>	0.11	0.01	0.02	0.02	0.06	0.87	0.17	0.48	0.54	0.73	0.40	0.35	0.16
<i>Pyhtää</i>	0.20	0.02	0.02	0.02	0.06	0.78	0.25	0.52	0.57	0.70	0.46	0.40	0.10
<i>Pyhäjoki</i>	0.22	0.02	0.03	0.03	0.08	0.76	0.29	0.47	0.54	0.67	0.41	0.37	0.11
<i>Pyhäjärvi</i>	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.47	0.54	0.69	0.39	0.33	0.14
<i>Pyhäntä</i>	0.26	0.03	0.03	0.03	0.09	0.71	0.34	0.48	0.55	0.66	0.42	0.37	0.08
<i>Pyhäranta</i>	0.19	0.02	0.02	0.02	0.07	0.79	0.25	0.51	0.57	0.70	0.47	0.42	0.10
<i>Pälkäne</i>	0.19	0.02	0.02	0.02	0.06	0.79	0.25	0.50	0.55	0.69	0.44	0.39	0.12
<i>Pöytyä</i>	0.22	0.02	0.03	0.02	0.07	0.76	0.28	0.49	0.56	0.67	0.46	0.41	0.10
<i>Raahe</i>	0.23	0.03	0.03	0.03	0.09	0.74	0.30	0.50	0.57	0.69	0.43	0.37	0.08
<i>Raasepori</i>	0.19	0.02	0.02	0.02	0.08	0.79	0.26	0.50	0.57	0.70	0.46	0.42	0.11
<i>Raisio</i>	0.20	0.02	0.02	0.03	0.09	0.77	0.27	0.53	0.60	0.71	0.49	0.43	0.09
<i>Rantasalmi</i>	0.16	0.02	0.02	0.02	0.07	0.82	0.21	0.49	0.55	0.70	0.42	0.35	0.15
<i>Ranua</i>	0.24	0.03	0.03	0.03	0.09	0.73	0.31	0.46	0.53	0.65	0.38	0.32	0.11

<i>Rauma</i>	0.18	0.02	0.02	0.02	0.09	0.79	0.26	0.51	0.59	0.72	0.47	0.41	0.10
<i>Rautalam pi</i>	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.48	0.53	0.68	0.39	0.33	0.15
<i>Rautavaa ra</i>	0.13	0.02	0.02	0.01	0.05	0.86	0.18	0.48	0.53	0.70	0.36	0.30	0.17
<i>Rautjärvi</i>	0.14	0.02	0.02	0.02	0.06	0.84	0.18	0.49	0.54	0.70	0.39	0.33	0.16
<i>Reisjärvi</i>	0.24	0.03	0.03	0.03	0.09	0.73	0.32	0.46	0.53	0.65	0.41	0.37	0.11
<i>Riihimäki</i>	0.20	0.02	0.02	0.02	0.10	0.77	0.29	0.52	0.61	0.72	0.49	0.43	0.08
<i>Ristijärvi</i>	0.13	0.01	0.02	0.02	0.06	0.85	0.18	0.49	0.54	0.69	0.40	0.35	0.18
<i>Rovaniem i</i>	0.20	0.02	0.02	0.02	0.12	0.77	0.31	0.52	0.63	0.72	0.48	0.42	0.08
<i>Ruokolah ti</i>	0.17	0.02	0.02	0.02	0.05	0.82	0.21	0.50	0.54	0.69	0.42	0.36	0.15
<i>Ruovesi</i>	0.16	0.02	0.02	0.02	0.06	0.82	0.21	0.47	0.53	0.68	0.40	0.35	0.16
<i>Rusko</i>	0.25	0.03	0.03	0.03	0.08	0.72	0.31	0.53	0.59	0.68	0.50	0.47	0.06
<i>Rääkkylä</i>	0.14	0.02	0.02	0.02	0.05	0.85	0.18	0.51	0.54	0.71	0.38	0.31	0.15
<i>Saarijärvi</i>	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.49	0.55	0.69	0.43	0.35	0.13
<i>Salla</i>	0.13	0.01	0.02	0.02	0.06	0.86	0.18	0.50	0.55	0.70	0.41	0.31	0.17
<i>Salo</i>	0.20	0.02	0.02	0.02	0.08	0.78	0.26	0.51	0.58	0.70	0.46	0.39	0.10
<i>Saltvik</i>	0.21	0.02	0.02	0.02	0.07	0.77	0.27	0.51	0.58	0.69	0.50	0.49	0.10
<i>Sastama a</i>	0.19	0.02	0.02	0.02	0.08	0.78	0.26	0.49	0.56	0.69	0.43	0.39	0.12
<i>Sauvo</i>	0.20	0.02	0.02	0.02	0.06	0.78	0.25	0.53	0.58	0.71	0.46	0.43	0.09
<i>Savitaipa le</i>	0.15	0.02	0.02	0.02	0.07	0.83	0.20	0.46	0.51	0.67	0.41	0.36	0.18
<i>Savonlinn a</i>	0.16	0.02	0.02	0.02	0.09	0.81	0.24	0.50	0.57	0.72	0.44	0.37	0.12
<i>Savukoski</i>	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.53	0.58	0.73	0.45	0.36	0.13
<i>Seinäjoki</i>	0.22	0.02	0.02	0.02	0.11	0.76	0.31	0.51	0.61	0.71	0.49	0.44	0.08
<i>Sievi</i>	0.32	0.04	0.04	0.04	0.10	0.64	0.40	0.43	0.51	0.60	0.39	0.35	0.08
<i>Siikainen</i>	0.17	0.02	0.02	0.02	0.06	0.82	0.21	0.48	0.52	0.68	0.39	0.33	0.16
<i>Siikajoki</i>	0.27	0.03	0.03	0.03	0.08	0.71	0.33	0.48	0.55	0.65	0.41	0.36	0.08
<i>Siikalatva</i>	0.20	0.02	0.02	0.03	0.08	0.78	0.26	0.48	0.54	0.67	0.42	0.36	0.13
<i>Siilinjärvi</i>	0.25	0.03	0.03	0.03	0.08	0.73	0.31	0.52	0.59	0.69	0.48	0.43	0.07
<i>Simo</i>	0.20	0.03	0.03	0.02	0.06	0.78	0.25	0.49	0.54	0.69	0.40	0.34	0.11
<i>Sipoo</i>	0.25	0.03	0.03	0.03	0.08	0.73	0.31	0.53	0.59	0.69	0.51	0.48	0.07
<i>Siuntio</i>	0.25	0.03	0.03	0.03	0.07	0.73	0.31	0.54	0.60	0.70	0.51	0.47	0.05
<i>Sodankyl ä</i>	0.17	0.02	0.02	0.02	0.08	0.81	0.24	0.53	0.60	0.73	0.46	0.40	0.10
<i>Soini</i>	0.20	0.02	0.03	0.03	0.08	0.77	0.27	0.46	0.53	0.66	0.40	0.34	0.14
<i>Somero</i>	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.48	0.54	0.68	0.43	0.38	0.14
<i>Sonkajärv i</i>	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.50	0.56	0.70	0.42	0.34	0.13
<i>Sotkamo</i>	0.19	0.02	0.02	0.02	0.07	0.78	0.26	0.52	0.58	0.70	0.45	0.39	0.11
<i>Sottunga</i>	0.08	0.01	0.01	0.02	0.08	0.90	0.15	0.50	0.57	0.73	0.52	0.51	0.19
<i>Sulkava</i>	0.14	0.02	0.02	0.02	0.07	0.84	0.19	0.47	0.53	0.70	0.40	0.34	0.16
<i>Sund</i>	0.19	0.02	0.02	0.03	0.08	0.78	0.25	0.52	0.58	0.72	0.51	0.49	0.09
<i>Suomussa lmi</i>	0.15	0.02	0.02	0.02	0.06	0.84	0.20	0.51	0.56	0.71	0.41	0.33	0.14
<i>Suonenjo ki</i>	0.17	0.02	0.02	0.02	0.07	0.81	0.23	0.49	0.55	0.69	0.41	0.36	0.13
<i>Sysmä</i>	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.46	0.51	0.69	0.38	0.33	0.18
<i>Säkylä</i>	0.18	0.02	0.02	0.02	0.08	0.80	0.24	0.50	0.56	0.70	0.46	0.42	0.12
<i>Taipalsaa ri</i>	0.22	0.03	0.03	0.03	0.06	0.76	0.27	0.53	0.58	0.70	0.48	0.42	0.09
<i>Taivalkos ki</i>	0.20	0.02	0.03	0.03	0.09	0.77	0.28	0.48	0.56	0.69	0.41	0.33	0.10
<i>Taivassal o</i>	0.16	0.02	0.02	0.01	0.05	0.83	0.20	0.50	0.55	0.70	0.44	0.40	0.14
<i>Tammela</i>	0.21	0.03	0.03	0.03	0.07	0.77	0.27	0.51	0.57	0.68	0.46	0.41	0.11

Tampere	0.16	0.02	0.02	0.02	0.13	0.81	0.29	0.54	0.66	0.76	0.51	0.43	0.08
Tervo	0.13	0.02	0.02	0.02	0.06	0.85	0.18	0.51	0.56	0.71	0.41	0.36	0.16
Tervola	0.19	0.02	0.03	0.03	0.08	0.78	0.26	0.46	0.53	0.66	0.40	0.33	0.14
Teuva	0.18	0.02	0.02	0.02	0.07	0.79	0.24	0.47	0.53	0.67	0.41	0.37	0.15
Tohmajärvi	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.51	0.56	0.71	0.42	0.34	0.12
Toholampi	0.24	0.03	0.03	0.03	0.09	0.74	0.31	0.46	0.53	0.66	0.42	0.38	0.11
Toivakka	0.22	0.02	0.02	0.02	0.05	0.77	0.26	0.50	0.54	0.68	0.44	0.38	0.10
Tornio	0.22	0.02	0.03	0.03	0.10	0.75	0.31	0.50	0.59	0.70	0.46	0.39	0.08
Turku	0.15	0.02	0.02	0.02	0.13	0.82	0.28	0.53	0.65	0.76	0.50	0.43	0.09
Tuusniemi	0.15	0.02	0.02	0.02	0.05	0.84	0.19	0.51	0.56	0.71	0.39	0.33	0.14
Tuusula	0.25	0.03	0.03	0.03	0.08	0.72	0.32	0.54	0.60	0.70	0.51	0.48	0.05
Tyrnävä	0.37	0.04	0.04	0.03	0.08	0.61	0.43	0.45	0.51	0.58	0.42	0.37	0.05
Ulvila	0.21	0.02	0.02	0.03	0.07	0.76	0.27	0.50	0.56	0.69	0.46	0.41	0.09
Urjala	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.50	0.55	0.70	0.43	0.37	0.14
Utajärvi	0.21	0.03	0.03	0.03	0.08	0.77	0.27	0.48	0.54	0.67	0.40	0.34	0.12
Utsjoki	0.17	0.02	0.02	0.01	0.06	0.82	0.22	0.53	0.58	0.72	0.44	0.40	0.11
Uurainen	0.29	0.03	0.03	0.02	0.06	0.69	0.34	0.49	0.54	0.64	0.44	0.38	0.07
Uusikaarlepyy	0.21	0.02	0.02	0.02	0.09	0.77	0.29	0.48	0.56	0.68	0.47	0.45	0.11
Uusikaupunki	0.17	0.02	0.02	0.02	0.08	0.81	0.24	0.51	0.58	0.73	0.46	0.41	0.10
Vaala	0.17	0.02	0.02	0.02	0.07	0.81	0.22	0.48	0.53	0.69	0.39	0.31	0.14
Vaasa	0.19	0.02	0.02	0.02	0.13	0.78	0.31	0.51	0.62	0.72	0.49	0.44	0.08
Valkeakoski	0.20	0.02	0.02	0.02	0.08	0.78	0.27	0.50	0.57	0.70	0.45	0.39	0.10
Valtimo	0.15	0.02	0.02	0.02	0.05	0.83	0.20	0.50	0.55	0.70	0.40	0.33	0.15
Vantaa	0.21	0.02	0.02	0.02	0.10	0.76	0.30	0.56	0.65	0.73	0.54	0.48	0.05
Varkaus	0.17	0.02	0.02	0.02	0.09	0.81	0.24	0.51	0.58	0.72	0.43	0.35	0.12
Vehmaa	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.50	0.57	0.70	0.46	0.42	0.12
Vesanto	0.14	0.02	0.02	0.02	0.06	0.84	0.19	0.47	0.51	0.68	0.38	0.33	0.17
Vesilahti	0.28	0.03	0.03	0.03	0.06	0.70	0.32	0.51	0.56	0.65	0.47	0.42	0.08
Veteli	0.19	0.02	0.02	0.02	0.08	0.78	0.26	0.49	0.56	0.68	0.44	0.41	0.12
Vieremä	0.19	0.02	0.02	0.02	0.08	0.79	0.26	0.51	0.57	0.70	0.45	0.40	0.11
Vihti	0.24	0.03	0.03	0.03	0.08	0.73	0.31	0.54	0.60	0.70	0.51	0.46	0.06
Viitasaari	0.16	0.02	0.02	0.02	0.08	0.82	0.23	0.47	0.55	0.70	0.41	0.34	0.15
Vimpeli	0.20	0.02	0.02	0.02	0.08	0.78	0.27	0.49	0.56	0.68	0.43	0.37	0.12
Virolahti	0.17	0.02	0.02	0.02	0.06	0.81	0.22	0.52	0.56	0.71	0.43	0.38	0.12
Virrat	0.16	0.02	0.02	0.02	0.07	0.82	0.22	0.47	0.53	0.69	0.40	0.35	0.15
Vårdö	0.18	0.02	0.02	0.02	0.07	0.80	0.24	0.47	0.53	0.67	0.45	0.44	0.15
Vöyri	0.20	0.02	0.02	0.03	0.09	0.77	0.28	0.48	0.56	0.68	0.47	0.44	0.12
Ylitornio	0.15	0.02	0.02	0.02	0.08	0.83	0.22	0.47	0.54	0.69	0.40	0.34	0.16
Ylivieska	0.25	0.03	0.02	0.02	0.11	0.73	0.34	0.49	0.58	0.68	0.46	0.40	0.07
Ylöjärvi	0.26	0.03	0.03	0.03	0.07	0.72	0.32	0.52	0.58	0.68	0.49	0.43	0.06
Ypäjä	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.52	0.59	0.71	0.47	0.42	0.11
Ähtäri	0.18	0.02	0.02	0.02	0.08	0.80	0.25	0.49	0.55	0.69	0.43	0.37	0.12
Äänekoski	0.21	0.02	0.02	0.02	0.08	0.77	0.27	0.50	0.57	0.69	0.44	0.36	0.10

Appendix V – Normalization objective comparison

The comparison of differently normalized data of indicator *GHG emissions per capita*

local authority	normalization with external optimum	normalization with internal optimum
Aura	40.77140482	52.97388
Espoo	71.48990996	92.88612
Eurajoki	37.06614873	48.15968
Forssa	56.85729068	73.87411
Hankasalmi	30.4028797	39.50216
Hausjärvi	55.82330274	72.53066
Helsinki	71.3047506	92.64555
Hollola	51.77507809	67.27084
Hyvinkää	66.33764301	86.19184
Hämeenkyrö	42.4025493	55.09321
Hämeenlinna	59.10523159	76.79484
Iitti	37.05660567	48.14728
Ikaalinen	28.74173286	37.34385
Ilmajoki	23.72814902	30.82975
Ilomantsi	42.08153553	54.67612
Imatra	71.93492912	93.46433
Janakkala	43.87435757	57.00551
Joensuu	68.20614261	88.61956
Jokioinen	33.05845718	42.95252
Jyväskylä	66.04906491	85.81689
Järvenpää	76.96511261	100
Kaarina	60.8255736	79.03006
Kangasala	59.10579413	76.79557
Karkkila	50.43103145	65.52453
Kauniainen	68.17363924	88.57733
Kemi	61.1801872	79.4908
Kemiönsaari	55.08896362	71.57654
Kerava	74.09591107	96.27208
Kirkkonummi	67.27315764	87.40734
Kokkola	56.98019698	74.0338
Kotka	64.92232041	84.35292
Kouvola	58.12055922	75.51546
Kuhmoinen	27.70137858	35.99212
Kuopio	63.04913674	81.91911
Kärkölä	37.16238822	48.28472
Lahti	64.50484339	83.8105
Laitila	34.43541924	44.7416

Lappeenranta	64.57112094	83.89661
Lapua	38.1302104	49.5422
Lieto	61.77657166	80.26568
Loimaa	21.02081052	27.31213
Loviisa	35.86263193	46.59596
Masku	60.70181948	78.86927
Mikkeli	61.63859993	80.08642
Mynämäki	41.93143644	54.4811
Mäntsälä	39.62297207	51.48173
Naantali	63.77340411	82.86015
Nousiainen	48.42727526	62.92107
Nurmijärvi	64.28740165	83.52798
Orimattila	38.77732994	50.383
Oulu	68.01706826	88.3739
Padasjoki	32.11671452	41.72893
Paimio	50.26810174	65.31284
Parainen	62.47970259	81.17925
Pirkkala	64.71073403	84.07801
Pornainen	68.99647292	89.64643
Punkalaidun	0	0
Raisio	57.49351611	74.70075
Rauma	71.23485201	92.55473
Riihimäki	65.56619107	85.1895
Rovaniemi	58.95149646	76.59509
Rusko	60.83909897	79.04763
Salo	41.72231461	54.20939
Sastamala	41.95774984	54.51528
Sauvo	39.41199297	51.20761
Seinäjoki	48.25912821	62.7026
Sipoo	51.60037001	67.04384
Somero	23.89086189	31.04116
Suomussalmi	53.56167745	69.59215
Suonenjoki	42.67169204	55.4429
Tampere	73.01843375	94.87212
Turku	70.39191673	91.45951
Tuusula	68.70891807	89.27281
Uusikaupunki	55.54129141	72.16424
Vaasa	70.2704108	91.30164
Vantaa	66.96189948	87.00293
Varkaus	64.38622231	83.65637
Vihti	58.41678669	75.90035
Ylivieska	49.26822715	64.01371
Ylöjärvi	64.29313817	83.53543
Äänekoski	52.98830877	68.84718